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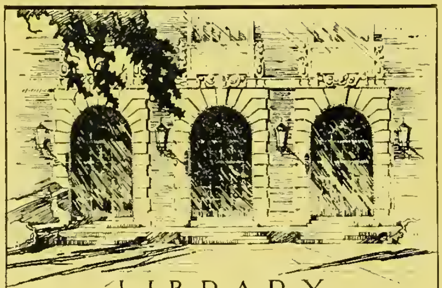

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CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

Vol. XLIV — January 1940 — No. 1

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GENERAL SUMMARY

January 1940 will long be remembered in the climatic history of the State for the long drawn out period of low temperatures and almost continuous snow covering. The cold weather began during the last few days of December and continued, with only short periods of moderation, during the entire month of January. The monthly average temperature for the State, 15.5°, is the lowest ever recorded in any month, and is approximately half the mean temperature of 30.7° for January. It is 0.9° lower than the previous record of 16.4° in January 1918. These two months, January 1918 and January 1940, are the only months of record with average temperatures less than 20°.

The lowest recorded was −28° at the airport station in St. Joseph on the 26th, which was due largely to local conditions favoring extreme radiation on that date. The minimum for the month at most stations in the northern division occurred on the 18th or 19th. The lowest reported at a cooperative station was −22° at Conception on the 18th. These extremes of low temperatures were not record breaking, or even close to the record for low temperatures, as −40° has been recorded in the State at one station and lower than −30° at several stations. However, the long extended period of cold weather resulted in a record breaking monthly average. Temperatures of zero or lower occurred on an average of 12 days during the month and freezing or lower on an average throughout the entire month, for the State as a whole. Every station reported a minimum of zero or lower on three or more days. The maximum temperature for the month was 55°, at Caruthersville on the 13th, which is the lowest maximum monthly temperature of record. The coldest periods were from the 1st to 9th, and 17th to 30th, with comparative mild periods from the 10th to 16th and on the 31st.

While the precipitation averaged only slightly more than half the normal amount for the month, it was mostly in the form of snow. The snow covering began on December 23d and the entire northern half of the State, and the greater part of the southern half remained covered throughout the month. The monthly snowfall average of 12.4 inches is the greatest average depth for January since 1930 and the third greatest of record for that month.

The snow drifted badly over the northern and central portions of the State on the 13-14th, blocking roads and tying up traffic generally, and caused the closing of several rural schools. The snow cover was fine for wheat and pastures, but the extreme cold made it difficult to obtain water for stock and caused heavy drain on stores of feed. The ground was reported frozen to a depth of 24 inches at Lockwood and 17 inches at Licking.

River stages were unusually low throughout the State and the Mississippi at St. Louis reached a new low point of −6.1 feet on the 16th, which is 0.6 foot lower than the previous record of −5.5 feet established in December 1937.

TEMPERATURE

The monthly mean for the State, 84 stations reporting, was 15.5°, or 15.2° below normal. The highest monthly mean was 23.6° at Doniphan, and the lowest monthly mean was 6.6° at Conception. The highest recorded was 55° at Caruthersville on the 13th, and the lowest was 28° below zero at St. Joseph Airport on the 26th. The greatest daily range was 51° at Union and Warsaw on the 28th.

(Continued on page 4)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.26*	30.68*	25	29.24*	14	7.4	21	w.	14	76*	67*	74*	48
Kan. C. Airport	30.28	30.74	25	29.50	13	9.6	33	nw.	14	76	62	70	64
St. Joseph	30.29*	30.73*	24	29.54*	13	8.4	26	nw.	14	88*	77*	86*	66
St. Louis	30.22*	30.62*	25	29.16*	14	11.6	32	w.	14	81	67	68	44
Springfield	30.25*	30.70*	25	29.37*	13	9.1	27	w.	14	85*	75*	75*	44
Cairo, Ill.	30.23	30.62	25	29.28	14	8.4	37	sw.	14	82	69	68	52
Keokuk, Iowa	30.22	30.61	25	29.11	14	8.0	30	nw.	14	84	66	74	52

* Data for Airport Station.

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	21.5	74	−32	2.14	1.76	2.20	2.47	....	6	..	..	..
1889	31.8	69	− 2	2.53	1.65	2.48	3.45	....	6	..	..	..
1890	33.8	81	−19	5.18	3.23	4.18	8.14	....	9	..	..	..
1891	34.1	74	− 1	1.63	1.36	0.98	2.56	4.3	6	..	..	..
1892	24.0	67	−31	1.87	1.80	1.87	1.93	....	4	14	8	9
1893	22.5	66	−14	0.45	0.51	0.41	0.42	2.4	3	9	11	11
1894	31.4	77	−35	2.48	1.90	2.95	2.59	2.7	5	13	9	9
1895	24.7	78	−22	1.66	0.97	1.44	2.57	9.4	5	14	8	9
1896	32.9	71	− 9	1.19	1.05	0.85	1.67	3.1	4	10	7	14
1897	28.4	72	−16	5.24	4.18	5.50	6.04	4.0	8	12	7	12
1898	34.3	75	−10	4.11	4.02	3.84	4.48	8.4	9	11	8	12
1899	30.2	70	−21	1.93	0.62	1.20	3.96	4.0	6	12	8	11
1900	34.5	77	− 9	1.28	0.98	1.18	1.67	0.2	4	14	7	10
1901	35.0	72	−11	1.31	1.21	1.45	1.27	0.8	4	17	7	7
1902	30.1	72	−17	1.36	1.07	0.95	2.05	6.9	5	16	7	8
1903	31.4	73	−11	1.49	1.07	1.41	1.98	5.0	6	13	6	12
1904	27.0	66	−23	3.01	2.64	2.74	3.66	7.4	8	14	6	11
1905	22.3	72	−19	2.04	1.06	2.10	2.95	6.8	8	14	6	11
1906	35.6	77	− 8	3.44	2.20	3.07	5.04	9.2	6	14	5	12
1907	34.3	79	− 5	5.04	4.14	5.28	5.69	2.8	12	7	6	18
1908	34.4	68	−10	1.67	0.50	1.47	3.04	3.6	5	19	5	7
1909	33.7	83	−20	2.36	2.01	1.70	3.36	6.5	7	6	7	18
1910	32.3	78	−24	1.82	1.96	1.73	1.78	3.5	5	13	6	12
1911	34.6	78	−19	0.84	1.57	0.32	0.64	0.7	5	8	7	16
1912	20.0	70	−36	1.22	0.35	0.79	2.51	6.5	4	14	7	10
1913	33.1	74	−12	4.18	1.53	2.63	8.58	2.6	8	13	6	12
1914	38.1	78	− 1	1.45	0.96	1.43	1.95	1.0	4	12	7	12
1915	29.1	76	−24	2.88	2.29	2.48	3.86	5.4	8	12	5	14
1916	31.6	72	−24	7.66	5.23	8.32	9.42	3.4	12	9	4	18
1917	32.9	76	−10	1.53	0.75	1.05	2.79	2.3	5	15	7	9
1918	16.4	67	−24	1.72	1.08	1.45	2.63	16.6	7	12	7	12
1919	34.0	70	−23	0.44	0.14	0.32	0.85	1.4	2	20	5	6
1920	28.6	72	− 5	1.72	0.52	1.39	3.25	5.7	5	15	5	11
1921	37.1	74	− 1	1.88	1.42	2.07	2.15	5.4	6	10	7	14
1922	29.5	66	− 6	1.33	1.08	1.41	1.50	3.9	5	14	5	12
1923	39.2	75	3	2.58	0.77	2.21	4.77	0.6	6	12	7	12
1924	24.9	68	−25	1.59	1.08	1.64	2.05	5.7	7	14	5	12
1925	29.7	65	−15	1.05	0.41	1.29	1.44	4.7	4	15	7	9
1926	32.7	70	−20	1.93	1.28	1.91	2.60	4.2	6	11	7	13
1927	30.8	73	−24	3.05	0.90	2.43	5.81	3.6	6	13	6	12
1928	33.3	77	−18	0.97	0.31	0.81	1.80	0.5	3	16	7	8
1929	25.1	72	−13	3.51	2.77	2.79	4.96	6.8	8	11	6	14
1930	20.8	73	−31	4.62	2.38	4.18	7.30	13.0	10	12	5	14
1931	36.0	76	− 5	0.74	0.39	0.65	1.18	2.0	4	16	6	9
1932	36.4	73	− 7	3.56	1.78	3.23	5.66	1.0	9	10	7	14
1933	41.4	72	8	2.56	1.73	2.62	3.34	0.5	6	14	8	9
1934	36.1	71	− 6	1.34	0.88	1.33	1.82	1.5	5	13	6	12
1935	33.0	71	−12	2.57	1.47	2.44	3.81	0.5	7	12	6	13
1936	24.4	74	−25	1.01	1.69	0.56	0.77	7.6	7	11	7	13
1937	28.5	70	−15	6.38	3.66	5.20	10.28	4.3	11	9	5	17
1938	33.1	75	− 9	2.93	2.53	3.00	3.27	0.3	6	13	6	12
1939	39.0	74	− 5	2.74	1.40	2.25	4.57	8.1	9	12	8	11
1940	15.5	55	−28	1.35	1.21	1.19	1.66	12.4	8	13	7	11
....	....	..	....	....	....	....	....	....	..	..	..	..
Period	**30.7**	**83**	**−36**	**2.39**	**1.61**	**2.16**	**3.39**	**4.6**	**6**	**13**	**6**	**12**

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Climatological Data for January 1940

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.: Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches: Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Number of days: With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Northern Division																					
Bethany	Harrison	916	45	8.4	−16.4	39	31	−18	19	42	47	1.04	−0.15	0.70	11.0	2	16	5	10	nw.	A. S. Cumming
Brunswick	Chariton	652	59	10.2	−16.5	39	11	−20	19	43	61	1.42	−0.17	0.60	19.2	9	16	3	12	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	2	11.4	......	38	31	−16	19	37	10	0.99	−0.95	0.50	11.1	7	15	6	10	w.	Lockmaster
Chillicothe	Livingston	779	31	9.4	−15.0	38	31	−16	19	41	34	0.85	−0.63	0.35	16.2	6	19	2	10	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	41	9.6	−18.5	35	31	−19	19	33	31	0.70	−1.02	0.27	23.3	9	10	9	12	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	50	14.0	−16.9	40	16	−15	19	30	50	1.62	−0.30	0.69	12.4	12	6	13	12	w.	U. S. Weather Bureau
Conception	Nodaway	980	51	6.6	−18.1	34	31	−22	18	31	56	1.71	+0.92	0.70	19.5	4	13	8	10	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	20	10.6	−16.3	37	31	−20	26	44	29	2.48	+1.63	0.91	18.4	10	16	2	13	n.	Fred L. Stiff
Elsberry	Lincoln	449	9	13.8	−17.8	37	31	−14	19	40	9	1.17	−1.00	0.41	6.5	6	14	8	9	n.	Ray E. Mills
Fayette	Howard	760	60	12.8	−14.2	41	31	−18	19	44	57	1.19	−0.60	0.37	13.7	7	17	2	12	nw.	Irvin E. Schnell
Fulton	Callaway	818	52	11.2	−18.3	40	16†	−17	19	44	48	1.24	−0.78	0.50	17.6	6	12	8	11	w.	Clyde C. Herring
Grant City	Worth	1,134	36	8.8	−16.0	36	31	−19	18†	39	48	1.17	+0.20	0.47	21.5	5	18	3	10	nw.	Howard Rybolt
Hannibal	Marion	759	48	11.6	−15.5	38	31	−17	18†	31	56	1.70	−0.02	0.72	15.4	8	13	5	13	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	51	12.8	−15.4	37	11	−12	28	33	51	1.26	+0.07	0.66	12.8	9	11	7	13	nw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	2	14.4	......	49	11	−14	18	35	2	1.72	......	0.68	16.1	11	12	8	11	nw.	University of Kansas City
Kidder	Caldwell	1,020	48	10.0	−16.0	37	31	−17	25	33	52	1.30	+0.08	0.69	13.9	6	18	2	11	nw.	Mrs. Geraldine Terry
King City	Gentry	1,095	..	....	......	..	..	....	..	..	14	1.28	+0.14	0.61	17.6	9	9	9	13	nw.	John M. Martin
Kirksville	Adair	969	51	11.3	−13.5	37	11†	−15	18†	32	58	1.68	+0.16	1.08	14.7	6	13	10	8	nw.	Howard Coons
Lawson	Ray	1,070	2	11.2	......	37	11†	−16	25	33	2	1.70	......	0.69	21.9	9	10	9	12	nw.	Elmer E. Lamb
Linneus	Linn	816	..	....	......	..	..	....	..	..	8	1.23	......	0.45	15.0	8	17	4	10	nw.	H. D. Taggart
Louisiana	Pike	469	46	12.0	−16.1	40	31	−18	19	40	59	0.53	−1.62	0.25	9.5	5	17	4	10	w.	Stark Bro's Nurseries
Macon	Macon	875	41	9.4	−18.1	39	31	−19	19	44	47	1.25	−0.45	0.46	19.5	8	15	6	10	nw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	50	8.2	−14.7	38	31	−20	25	34	46	1.30	+0.30	0.65	16.0	5	19	0	12	nw.	R. B. Montgomery
Memphis	Scotland	787	1	8.2	......	38	31	−18	19	40	10	1.39	−0.14	0.62	22.1	7	19	0	12	nw.	John W. Alexander
Mexico	Audrain	800	51	12.3	−15.7	39	31	−15	19	37	62	1.57	−0.46	0.55	10.9	8	16	4	11	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	3	11.8	......	37	31	−16	19	28	3	0.86	......	0.27	11.2	7	11	8	12	w.	McCormick Hospital
Oregon	Holt	1,048	84	10.6	−13.5	37	31	−18	18†	32	84	1.75	+0.82	1.00	18.0	7	20	6	5	nw.	Miss Mina Wright
St. Charles	St. Charles	520	52	15.5	−15.5	40	11†	−14	9	38	62	1.36	−0.79	0.48	13.5	7	13	7	11	sw	Martin L. Comann
St. Joseph	Buchanan	957	30	11.5	−14.0	38	31	−15	18	27	68	1.63	+0.35	1.05	20.1	7	13	7	11	nw.	U. S. Weather Bureau
Steffenville	Lewis	650	42	12.1	−15.3	37	11†	−16	19	34	47	0.90	−1.11	0.28	13.0	8	12	9	10	w.	Frank Hall
Tarkio	Atchison	916	37	8.6	−14.3	38	31	−19	18	34	46	0.96	+0.22	0.56	18.0	7	17	4	10	nw.	Albert Volker
Trenton	Grundy	822	44	11.4	−14.9	37	31	−15	18†	39	45	1.19	−0.15	0.51	12.0	7	12	13	6	w.	W. H. Estes
Unionville	Putnam	1,062	47	9.3	−14.2	43	11	−18	19	40	47	2.03	+0.31	1.28	11.0	2	19	1	11	nw.	John H. Schick
Warrenton	Warren	816	58	14.8	−14.4	39	31	−16	19	32	50	0.88	−1.31	0.40	11.5	7	11	9	11	nw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	68	12.2	−12.7	39	31	−13	19	31	68	0.91	−0.65	0.48	12.1	10	9	11	11	w.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**11.1**	**−15.6**	**49**	**11**	**−28**	**26**	**44**	..	**1.21**	**−0.40**	**1.28**	**15.3**	**7**	**14**	**6**	**11**	**nw.**	
Southwestern Division																					
Appleton City	St. Clair	813	45	14.4	−16.9	45	31	−19	19	41	48	1.19	−0.65	0.42	13.2	8	18	3	10	nw.	Rolla Brown
Bolivar	Polk	1,071	37	16.9	−17.0	47	16†	−14	19	37	45	0.77	−1.16	0.22	8.5	9	9	11	11	nw.	Southwest Baptist College
Boonville	Cooper	650	2	10.9	......	40	31	−15	19	40	63	1.78	+0.06	1.03	16.8	7	14	2	15	nw.	Boonville Water Dept.
Clinton	Henry	786	47	14.3	−17.4	42	31	−19	19	40	53	1.54	−0.49	0.51	15.4	12	..	..	..	......	U. S. Weather Bureau
Dean ‡‡	McDonald	1,000	36	19.4	−16.5	54	31	−10	8	43	41	0.55	−1.98	0.24	7.5	4	12	4	15	nw.	E. S. Taylor
Eldon	Miller	934	45	13.4	−17.7	44	16	−15	19	41	41	1.18	−0.58	0.32	15.0	7	13	9	9	w.	E. H. Shepherd
Garber	Taney	950	6	21.5	......	52	31	− 7	9†	40	6	0.80	......	0.27	8.2	9	8	6	17	nw.	William H. Durham
Harrisonville	Cass	904	62	10.5	−16.8	37	11	−15	19	42	65	1.18	−0.39	0.50	9.5	5	5	11	15	nw.	John H. Patterson
Jefferson City	Cole	557	50	12.2	−17.6	44	16	−16	19†	42	58	1.82	−0.16	0.79	15.5	7	9	6	16	w.	Mrs. Frank Kliegel
Lakeside	Miller	595	9	16.2	......	48	16	− 9	19	45	9	1.12	......	0.49	....	7	..	..	..	w.	W. S. Frame
Lamar	Barton	980	52	16.6	−15.5	46	16	−13	19	45	59	0.93	−0.90	0.30	12.0	7	14	4	13	nw	Jesse A. Mann
Lebanon	Laclede	1,265	52	16.7	−15.8	46	31	−14	19	34	53	0.77	−1.87	0.26	10.5	7	10	9	12	w.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	55	12.6	−15.2	38	31	−13	19	39	56	1.89	+0.37	0.61	18.3	8	17	6	8	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	34	17.2	−16.1	48	16	−12	19	34	44	0.80	−1.06	0.20	14.0	8	16	5	10	nw.	Hubert A. Nieman
Marshall	Saline	779	53	13.2	−14.7	39	31	−17	19	38	50	2.00	+0.35	0.80	20.0	8	21	3	7	nw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	39	18.4	−14.4	45	31	−12	19	34	43	1.35	−1.38	0.61	10.6	8	9	13	9	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	28	18.6	−14.7	51	16†	−11	19	35	40	1.64	−1.07	0.65	10.5	6	3	17	11	nw.	G. H. Boswell
Neosho	Newton	1,011	53	20.2	−14.9	52	16	−10	8†	40	57	0.95	−1.52	0.31	7.0	6	14	3	14	nw.	U. S. Fisheries Station
Nevada	Vernon	862	47	17.4	−14.5	47	16	−14	19	36	48	1.19	−0.64	0.32	9.6	9	19	3	9	nw.	Henry Kraft
Sedalia	Pettis	910	27	14.1	−12.3	40	6	−15	19	35	29	1.49	−0.76	0.47	20.0	9	15	6	10	nw	Dr. J. E. Cannaday
Seligman	Barry	1,542	39	21.0ᵃ	−14.1	45	11†	−11	18	37	37	0.68	−2.11	0.40	8.0	4	10ᶜ	7ᶜ	11ᶜ	nw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	34	17.0	−17.0	47	16	−13	19	41	34	0.91	−1.68	0.56	10.5	5	12	7	12	nw.	A. L. Hailey
Springfield	Greene	1,301	52	16.0	−17.5	48	31	−12	5	35	52	0.89	−1.45	0.45	11.7	10	9	7	15	w.	U. S. Weather Bureau
Versailles	Morgan	1,037	13	15.2	−18.0	42	16†	−16	19	34	16	1.44	−0.56	0.54	14.0	8	12	7	12	nw.	I. M. Wilson
Warrensburg	Johnson	878	53	13.5	−15.2	38	16†	−16	19	31	60	1.79	+0.01	0.45	23.0	9	9	8	14	nw.	E. A. Markey
Warsaw	Benton	687	39	14.6	−18.3	45	16	−17	19	51	45	1.66	−0.48	0.35	20.5	10	10	12	9	nw.	Everett Martin
Division means	**and extremes**	.....	..	**15.8**	**−16.0**	**54**	**31**	**−19**	**19**	**51**	..	**1.19**	**−0.97**	**1.03**	**13.2**	**8**	**12**	**7**	**12**	**nw.**	
Southeastern Division																					
Advance	Stoddard	354	3	20.9	......	49	16	− 8	19	39	3	1.82	......	0.77	6.2	9	..	..	..	......	U. S. Weather Bureau
Arcadia	Iron	926	59	16.8	−15.1	45	16	−11	19	40	62	1.74	−1.25	0.71	8.5	7	13	1	17	ne.	Arcadia College
Birch Tree(near)	Shannon	1,000	45	20.2	−14.3	49	16	− 9	19	44	46	0.99	−2.19	0.47	7.5	6	15	5	11	n.	V. H. Kirkendall
Campbell	Dunklin	314	14	23.5	−14.2	51	16	− 5	19	37	14	1.79	−3.51	0.80	8.0	9	14	8	9	w.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	44	22.2	−16.9	55	13	− 5	26	37	48	2.79	−2.40	1.65	6.0¶	7	24	0	7	n.	Sam Smith
Crystal City	Jefferson	420	6	17.8ᶜ	......	50	11	−14	19	42	6	1.26	......	0.48	15.1	9	5ᵇ	12ᵇ	12ᵇ	nw.	Pittsburgh Plate Glass Co.
Doniphan	Ripley	344	36	23.6	−12.2	54	16	− 7	19	43	36	1.74	−2.36	1.20	6.5	6	13	4	14	nw.	Boyce Lackey
Farmington	St. Francois	896	29	19.9	−12.7	46	16†	−11	19	40	43	1.24	−1.90	0.54	10.0	8	13	6	12	w.	F. M. Karsch
Goodland	Iron	1,000	47	17.6	−15.0	44	11†	−12	19	49	47	1.40	−1.30	0.60	9.5	6	11	10	10	n.	F. M. Adams
Greenville	Wayne	381	31	22.6	−12.4	52	16	− 6	19	45	33	1.35	−1.97	0.50	9.0	4	9	10	12	nw.	Beuford Shoemake
Jackson	Cape Girardeau	428	49	20.6	−13.2	46	14	− 8	19	37	50	1.49	−2.45	0.64	8.0	5	12	9	10	n.	L. R. Crites
Koshkonong	Oregon	958	39	22.2	−14.3	52	16	− 9	19	32	40	1.69	−1.93	0.53	7.2	8	13	9	9	nw.	R. M. Hitt
Licking(near)	Texas	1,170	3	17.8	......	49	11	−13	5†	44	3	0.72	......	0.27	5.0	10	15	8	8	nw.	U. S. Forestry Service
Marble Hill	Bollinger	470	45	21.0	−13.6	48	16	− 9	19	40	47	1.88	−1.99	0.68	7.0	9	10	11	10	nw.	R. A. DeWitt
Poplar Bluff	Butler	339	35	23.2	−12.8	49	16	− 7	19	43	36	2.30	−2.12	0.98	8.1	7	14	6	11	w.	Mrs. J. H. Wolpers
Rolla	Phelps	1,202	40	16.7	−15.2	45	16	−14	19	31	56	1.16	−1.30	0.41	8.2	11	..	..	..	......	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	103	17.2	−13.9	43	11	−12	19	23	103	1.33	−1.01	0.52	10.6	12	11	6	14	nw.	**Section Center**
St. Louis Airport	St. Louis	556	3	14.6	......	40	11	−14	19	33	9	0.90	......	0.39	10.4	10	8	6	17	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	28	16.6	−15.4	41	11	−12	19	23	28	1.30	−1.30	0.61	9.2	9	15	5	11	nw.	St. Louis University
Salem	Dent	1,173	36	17.4	−15.2	46	31	−13	19	44	39	1.08	−1.64	0.41	8.0	8	12	5	14	nw.	E. E. Martin
Sikeston	Scott	318	33	19.5	−17.5	49	13	− 8	19	40	43	2.65	−2.21	0.86	8.6	9	12	15	4	n.	Mrs. Hazel P. Young
Union	Franklin	520	2	17.0	......	44	16†	−14	19	51	23	1.65	−0.67	0.68	17.8	9	15	2	14	nw.	Robert Mueller
Wappapello Dam	Butler	475	1	20.6	......	47	16	− 7	19	38	1	2.30	......	0.90	6.4	9	14	5	12	w.	J. E. Harns
West Plains	Howell	1,005	3	20.8	......	54	16	− 9	19	40	3	1.08	......	0.40	6.7	7	..	..	..	......	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	68	22.0	−12.9	51	14	− 6	19	28	69	2.64	−1.12	1.31	7.8	13	9	9	13	nw	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**19.7**	**−14.3**	**55**	**13**	**−14**	**19**	**51**	..	**1.66**	**−1.73**	**1.65**	**8.6**	**8**	**13**	**7**	**11**	**nw.**	
State means	**and extremes**	.....	..	**15.5**	**−15.2**	**55**	**13**	**−28**	**26**	**51**	..	**1.35**	**−1.04**	**1.65**	**12.4**	**8**	**13**	**7**	**11**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters ᵃ, ᵇ, ᶜ, appearing in the table indicate number of days missing; for example, ᵇ, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Dean is Anderson, of Hailey is Cato.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for January 1940

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Amity²	Grand	.04		T.	.08			.26	.01		.02	.02	T.		.88				.15						T.								1.46
Bethany	....do			T.	T.			.34			T.			.70	T.																		1.04
Bowling Green²	Mississippi							.15	.02		T.	.08			.31				.05														0.61
Brunswick²	Grand	.06			.03			.25	.06		.12	.13			.60	.02			.15														1.42
Canton, Lock No. 20²	Mississippi	.02			T.			.25	.07	T.	.02	.11			.50	T.			.02														0.99
Centralia²	....do	.10						*	.60			.01			.46	.03																	1.20
Chillicothe²	Grand	.05		T.	T.			.25	.02	T.	T.	.08			.35			T.	.10														0.85
Clifton Hill	Chariton	.03		T.	T.			.09	.03	.05	.15			.03	.27			.02	.03														0.70
Columbia ¹‡	Missouri	.01		.02			.50	.21	T.	.14	.07	.01		.30	.14			.14	.01													.07	1.62
Conception	....do			.09			T.	.31				T.		.70				.61						T.									1.71
Edgerton	Missouri	.03		.04	.04		.17	.91		.13	.39			.50	.07			.20						T								T.	2.48
Edina²	Mississippi	.05			T.			.18	.09		T.	.07			.58	T.			.05														1.02
Elsberry	....do				.05			.41			.19				.32			.10	.10														1.17
Farber²	....do	.05						.45	.38		.06				.19																		1.13
Fayette	Missouri			T.				.33		.12	.25			.08	.23			*	.18														1.19
Fulton²	....do	.04			T.			.50	T.		.17	.06			.34				.13														1.24
Gallatin²	Grand	.12						.38	T.			T.			.98				.05														1.53
Gorin	Mississippi			T.	T.			.54			.05	.06		.24	.72			T.	.05												T.		1.66
Grant City	Grand	T.		.06				.27	T.			T.		.47	.34			.03	T.					T.									1.17
Hannibal³	Mississippi	T.		.01	T.		.03	.63	T.	.06	.16			.20	.52			.09															1.70
Hermann²	Missouri	.04			.01			.45	T		.06	.08			.46				.22		T.	T.		T.									1.32
Kahoka²	Mississippi	T.			T.			*	.38	.03	*	.09			*	.58			T.														1.08
Kansas City Airport ³‡	Missouri	.01		T.	T.		.23	.07	T.	.14	.03			.59	.07			.10	.02					T.					T.			T.	1.26
Kansas City University	....do	.03		.01		T.	.16	.30	.02	.24	.08	T.		.34	.34			.04	.16					T					T.	T.			1.72
Kidder²	Grand				.05			.46			.02	.02			.69				.06														1.30
King City	Missouri			.09			T.	.20		.01	.03	.02		.61	.20			.10						.02									1.28
Kirksville	Mississippi			T.				.54	.01	T.	.02			.38	.70			.03															1.68
LaBelle²	....do							.25	.11			.21			.75				.03														1.35
Lawson	Missouri			.03	T.		.02	.60		.20	.01			.29	.40			.09	.06					T.									1.70
Linneus²	Grand	.04			.06			.31	.10		.10	.15			.45				.02														1.23
Louisiana	Mississippi			T.	.03			.25	T.					.02	.20			*	.03														0.53
Lucerne²	Grand	.01						.12	.09		T.	T.			.42				T.														0.64
Macon²	Chariton	.03			.03			.30	.14		.08	.14			.46				.07														1.25
Madison²	Mississippi							.27	.10		.06	.09																					0.52
Maryville	Missouri			.06	T.		T.	.31				T.		.40	.25			.28						T.									1.30
Memphis²	Mississippi	T.			T.			.62	.10	T.	.03	.09	T.		*	.50			.05														1.39
Mexico²	....do	.08			.02			.35	.20		.10	.10			.55				.17														1.57
Milan²	Grand	.03						.30	.04			.13			.65	.03			.04														1.22
Moberly	Mississippi			.07				.07		.06	.13			T.	.27			.14	.12					T.									0.86
Monroe City	....do				.02			.51							.50			.05															1.08
Oregon	Missouri			.10			.05	.30	T.					.55	.45			.25	.05														1.75
Palmyra²	Mississippi				T.			.40		T.						.45																	0.85
Paris²	....do	.01			.04			.26	.10		.06	.09			.30				.06														0.92
Perry²	....do							.20	.10		.08				.58				.06														1.02
Philadelphia²	....do							.35	.11						.45																		0.91
St. Charles²	Missouri	.05			T.			.44	.06		.08				.48				.15					.10									1.36
St. Joseph¹‡	....do	T.		.05	T.		.19	.19	T.	T.	.01	T.		.71	.34			.14	T.					T.								T.	1.63
Saverton, Lock No. 22²	Mississippi				T.	02		.33	T.		.20	T.			.29	.02			.05														0.91
Shelbina	....do				*			.42			*	*			.37																		0.79
Shelbyville²	....do							.37			.27				.32																		0.96
Steffenville	....do	T.	.07	T				.28	T.	.04	.04	.15		.03	.22			.07															0.90
Tarkio	Missouri			.06			.03	.23						.53	.03			*	.08														0.96
Trenton	Grand			.06				.35	.06	T.	.13			.25	.26			.08						T.									1.19
Troy²	Mississippi	.01			T.	T.		.34	T.		.14	.15			.35				.05					T.									1.04
Unionville²	Chariton								1.28		T.	T.			.75																		2.03
Warrenton	Mississippi	T.		T.	T.			.40	T.	.05	.10	T.		.06	.02			.15	.10					T.									0.88
Keokuk, Iowa ¹‡	....do	T.		.02	.01		.02	.25	T.	.02	.08	.01		.24	.24			.02	T.					T.						T.	T.		0.91
Southwestern Division																																	
Altona²	Osage	T.					T.	.32			.15				.28			.05															0.80
Appleton City	....do	T.		.04	T.		.20	.16	T.	.14	.12			.05	.37				.11					T.						T.			1.19
Bolivar	....do			.01	.03		.22	.18	T	.07	.06	T.			.16				.01					.03						T.			0.77
Boonville²	Missouri	.04						*	1.03		.15	.12			.26				.18														1.78
Buffalo²	Osage	.02			.03			.55			.07		.06		.12				.03					.03						T.			0.91
Caplinger Mills	....do			.03			.47			T.	.06			.20					.05					.02						T.			0.83
Clinton	....do			.01	.02		.19	.32	.01	.20	.16	.02		.06	.30			T.	.24					T.						.01			1.54
Concordia²	Missouri	.04	T.	T.	T.			.50	.01		.27	.22			.38				.16														1.58
Dean	Neosho			T.	.24		.08	.12	T.	T.	T.	T.	T.	T.		T			T.					.11									0.55
Eldon²	Missouri	.08						.32	.02		.13	.15			.23				.25														1.18
Galena²	White				.22			.43	.02			T.			.08				T.					.04									0.79
Garber	....do	T.		.02	.12		.18	.27	.05		.03			.02	.09				T.					.02									0.80
Hailey	....do					T.	T.	.50	T.	T					.05				.01					.10									0.66
Harrisonville²	Osage	.06						.50				.10			.40				.12														1.18
Jefferson City²	Missouri	.15						.76	.03		.20	.16			.31				.21														1.82
Joplin³	Neosho			.15	.18		.34	.02			.12			.27					.01	T.					.02				T.				1.11
Lakeside²	Osage	.07		T.	T.			.49	T.		.08	.13			.21				.13	T.				.01									1.12
Lamar²	Neosho	.10			.08		.08	.28			T.	T.			.30				.05					.04									0.93
Lebanon	Osage			.05			.24	.26		.05	.03				.12				.02														0.77
Lexington²	Missouri	.10			.05			.56	.05		.25	.17			.51				.20														1.89
Lockwood	Osage				.12		.20	.18		.04	.02				.15				.04					.05						T.			0.80
Marshall	Missouri			T.			*	.80	T.	.30	.10			*	.50			*	.30														2.00
Mountain Grove	White				.35		.11	.61	.06	.05	.07			.05										.05									1.35
Mount Vernon	Neosho			.54			.12	.65			.10			.10					.13														1.64
Neosho	....do			T.	.29		.08	.23	T.	T.	.04	T.	T.		.28				T.					.03									0.95
Nevada	Osage			T.	.04		.32	.20	T.	.08	.12			.08	.24				.05					.06						T.			1.19
Osceola²	... do			T.	.18			.56				.20			.38				.10														1.42
Ozark Beach²	White	.05			.27			.35				.11		.09																			0.87
Pleasant Hill²	Osage			T.	T.			.48			.23	.21		.18					.10											T.			1.20
St. Thomas (near)²	....do	.09						.35	T.		.10	.14			.28	T.			.14	T.				T.									1.10
Sedalia	Missouri			T.			.10	.14		.28	.34	.06		.03	.44			.02	.08														1.49
Seligman	Neosho			.08	.20		.30	.10		T.	T.				T.																		0.68
Seymour(near)	White			T.	.30		.18	.38			.01								T.					.04									0.91
Springfield ¹‡	....do	T.		.15	.06		.43	.02	T.	.01	.01	T.		.12	T.			T.	.05	T.			.02	.02									0.89
Stover²	Missouri	.07						.42			.15				.46				.14														1.24
Versailles	Osage			T.	.01		.10	.44		.16	.10	.01		T.	.42			T.	.20					T									1.44
Warrensburg	Missouri			.10			.20	.40	T.	.12	.41			.13	.32			.01	.10													T.	1.79
Warsaw	Osage						.32	.22		.12	.09	.20	.02	.02	.35			T.	.12					.20									1.66
Waverly²	Missouri	.07			.01			.40	.02		.22	.10			.50				.20														1.52
Southeastern Division																																	
Advance	St. Francis	.05		T.	.10			.12	T.		.63	.03	.02	.07	.70				T.					.10	T.					T	T.		1.82
Annapolis	....do	.05		.06	.15		T.	.20			.17	.08		.33	.59				.15					.09									1.87
Arcadia²	....do	.24			.19			.35	T.	T.	T.	.18			.71	T.			.02	T.				.05	T.					T.	T.	T.	1.74
Belleview	Meramec	.12			.20		*	.30			.04			.05	.52									.10									1.33
Birch Tree(near)	Black				.04			.18			.25			.22	.25									.05									0.99

Continued on next page

Daily Precipitation for January 1940—Continued from preceding page

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	1	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Southeastern Division—	*Concluded*																																
Bragg City[2]	St. Francis	.20			T.			.10				.52		T.	.90				T.					T.	.25								1.97
Campbell	do	.02			.05			.09			.80	.03	.02	T.	.64				T.					.13						.01			1.79
Cape Girardeau[2]	Mississippi	.04			.24			.22			.03	.39	.02	T.	.71				.03	T.				.12	.06					T.	T.		1.86
Caruthersville[2]	do	.15			.10			.05				.51	.03		1.65									.30									2.79
Centerville[2]	Black	.05			.19			.23			T.	.19			.41									.06									1.13
Crystal City[2]	Mississippi	.06			.05			.39			.08	.15			*				.48	T.				.03	.02								1.26
Cuba[2]	Meramec	.25			.15			.75											.40					.15									1.70
Dexter[2]	St. Francis	.20	T.		.15		T.				*	1.20	.03		.97				T.	.04				T.	.09						.03		2.71
Doniphan	Black	T.			.08			.06	T.	T.	1.14	.06		.30					T.				T.	.10						T.			1.74
Farmington	St. Francis	.06		T.	.10			.32		T.	.15			.20	.34			T.	.03					.04									1.24
Fisk[2]	do	.06			.21	T.		.22	T.			.98			.96								T.	.29									2.72
Fredericktown[2]	do	.10			.26			.20				.09			.72				T.					.06	.02								1.45
Goodland	Black	.10			.20			.40		.01					.60									.09									1.40
Greenville	St. Francis				.30			.50			.30								T.					.25									1.35
Jackson	Mississippi				.40			.20		T.	.05			.64										.20							T.		1.49
Jerome[2]	Gasconade	.30			.20			.60				T.			.35				.20					.10									1.75
Koshkonong	Black	T.			.20		.02	.20	T.	T.	.46	.04		.15	.53				T.					.09		T.							1.69
Leeper[2]	do	.11			.16			.15	T.		T.	.35			.65					T.				.15	T.								1.57
Licking (near)	Gasconade	.05		.01	.11		.06	.02	T.	.01	.12			T.	.27			T.	.02					.05									0.72
Marble Hill	Mississippi	.10			.35			.23			.20	.06		.03	.68				.03					.20									1.88
Meramec Park[2]	Meramec				.05			.47	T.		.04	.10			.47				.20	T.				.05									1.38
Morehouse	Mississippi	.06		T.	.07			.13	T.		.91	.03	.02		.64				T.					.12						T.			1.98
New Madrid[2]	do	.10	.03		.10	T.		.13	T.		.07	.53	.06		.94					T.				.21	.12						T.	T.	2.29
Owensville[2]	Gasconade	*			*			.70			.09	.10			.36				.25	T.				.05									1.55
Pacific[2]	Meramec	.05						.40			.15	.07							.20					.07									0.94
Parma[2]	St. Francis	.05	T.		.05			.15			.05	.88			.82					.02				.12	.05						.03		2.22
Poplar Bluff[2]	Black	.11			.12			.17			.08	.98			.68					T.				.16	T.							T.	2.30
Richwoods[2]	Meramec	.15						.75	T.						.50				.20					.05									1.65
Rolla	do	.02		T.	.06		.13	.21	T.	.02	.14	.01		.04	.37			T.	.12					.04	T.					T.			1.16
St. Louis[1]‡	Mississippi	.01		.01	T.		.18	.35	T.	.08	.09	.01		.31	.13			.09	.03		T.			.04	T.						T.		1.33
St. Louis Airport[3]‡	Missouri	T.		T.	.01		.03	.21	T.	.02	.08	T.		.29	.10			.10	.03	T.	T.			.03	T.					T.	T.	T.	0.90
St. Louis University[3]‡	Mississippi	.03		T.	T.			.61		.08	.06	.01		.26	.05			.12	T.					.08									1.30
Salem	Meramec			T.	.09		.11	.30			.17			.03	.25				.07					.06									1.08
Sikeston[2]	Mississippi	.10	T.		.17			.27	T.	T.	.05	.86	.08	T.	.86				T.	T.				.24	.02					T.	T.		2.65
Union	Meramec	.11			T			.68		*	.11	.08			.36			.07	.19					.05									1.65
Valley Park[2]	do	T.		T.				.62	T.	T.	.02	.09			.46				.11					.07	T.						T.		1.37
Van Buren	Black			*	.18			.14			*	.43		*	.72				T.					.07									1.54
Wappapello Dam[2]	St. Francis		.10	T.	.30			.15		T.	.05	.90	.03		.60				T.	T.				.13	.04								2.30
Washington Univ.[2]‡	Mississippi	.04						.42			.08	.14			.43				.14					.02									1.27
West Plains	Black	T.		T.	.10		.05	.17	T.	T.	.40	T.		.24	.08				T.					.04						T.	T.		1.08
Williamsville[2]	do	.10			.16			.16		.01	.03	.44			.57					.01				.11	T.								1.59
Willow Sprgs. (near)[2]	White	*			*			*			*	.75		T.	.50				T.	T.				.05									1.30
Zalma (near)[2]	Mississippi				.31			.23			.09	.49			.70				T.					.09									1.91
Cairo, Ill.[1]‡	do	T.		.05	.09		.01	.15	T.	.06	.58	.11	T.	1.16	.15				.02				.02	.22	T.					.02	T.		2.64

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Clifton Hill, Columbia Airport, Conception, Dean, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking (near), Lockwood, Marble Hill, Memphis, Mount Vernon, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour (near), Springfield Airport, Steffenville, Tarkio, Versailles, Wappapello Dam, Warsaw, and Washington University.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for January 1940

(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Mean temperature	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Wind movement	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Lakeside (Osage Dam)	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Mean temperature	14	13	15	20	4	8	18	17	16	21	36	30	26	28	27	30	14	− 2	2	6	12	12	14	9	4	8	11	16	20	24	28	16.2
	Wind movement	75	119	61	49	101	32	66	74	40	41	66	64	48	148	152	38	89	119	168	185	147	97	47	103	135	120	88	35	69	89	21	2,686
St. Louis (Washington University)	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Mean temperature	10	7	10	16	3	6	16	20	22	29	36	27	29	28	23	28	14	− 2	− 2	0	9	14	16	11	2	5	8	16	20	22	28	15.2
	Wind movement	18	37	14	5	24	22	24	16	10	16	27	48	16	53	80	16	43	87	43	30	25	26	15	40	45	16	28	21	6	28	10	889

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Columbia, Lakeside, and St. Louis (Washington University) descriptions see July 1938, April 1932, and August 1938 reports respectively. * Included in next measurement.

Continued from page 1

PRECIPITATION

The average for the State, 145 stations reporting, was 1.35 inches, or 1.04 inches less than normal. The greatest local monthly amount was 2.79 inches at Caruthersville, and the least local monthly amount was 0.52 inch at Madison. The greatest amount in any twenty-four hours was 1.65 inches at Caruthersville on the 14th. The average number of days with 0.01 inch or more was 8.

The snowfall averaged 12.4 inches, or 7.8 inches more than normal. The greatest local monthly snowfall was 26.5 inches at Concordia.

MISCELLANEOUS PHENOMENA

Fog.—Dense, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 27th, 28th.

Glaze.—3d, 4th, 10th, 11th, 13th.

Halos.—Solar, 5th, 6th, 9th, 14th, 22d, 23d, 24th, 31st; lunar, 15th, 17th, 22d, 23d, 24th.

Sleet.—3d, 7th, 9th, 10th, 11th, 13th, 14th, 17th, 28th.

Thunderstorms.—Local, 10th, 13th.

Windstorm.—On 14th at Sikeston; large trees uprooted.

ERRATA

April 1939, page 17: Number days 0.01 inch or more of precipitation at Neosho should be 7. June 1939, page 28: mean temperature at Clifton Hill should be 72.8; departure should be + 0.4. December 1939, page 60: Partly cloudy days at Lebanon should be 10.

Daily Temperatures for January 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	21	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum...	15	17	18	20	11	19	20	25	28	34	39	31	33	27	27	33	8	-8	13	12	16	24	16	5	6	12	22	34	30	32	38	21.2
	Minimum ...	1	-6	-6	9	-13	-13	7	2	-3	-3	28	9	9	20	9	8	3	-8	-20	-12	-6	-4	-4	1	-12	-13	-13	-9	-8	9	6	-0.9
Chillicothe §§	Maximum...	18	14	17	16	11	17	21	25	27	32	36	27	27	27	27	27	12	-1	10	10	16	24	14	1	4	11	19	33	31	33	38	20.1
	Minimum ...	0	-7	-6	9	-15	-13	6	5	-1	4	27	0	1	4	4	11	2	-12	-16	-5	-4	-4	-6	-5	-15	-13	-8	-8	13	4	6	-1.4
Columbia	Maximum...	16	15	19	22	10	18	25	25	27	36	36	31	35	33	27	40	15	4	12	11	14	23	21	12	6	12	19	35	29	30	39	22.5
	Minimum ...	2	-3	6	-2	-9	8	11	8	0	27	26	18	23	21	12	15	4	-14	-15	-2	-4	0	12	-3	-9	-8	-5	5	16	9	19	5.4
Fayette	Maximum...	13	17	17	20	13	17	21	25	25	34	39	34	34	34	27	39	22	5	11	12	14	25	19	13	12	12	22	36	30	33	41	23.2
	Minimum ...	1	-6	1	8	-14	2	13	9	-4	19	32	11	14	20	9	0	3	-12	-18	-5	-6	-5	9	-2	-14	-12	-11	-8	20	7	9	2.3
Grant City	Maximum...	10	14	17	15	9	16	19	21	19	31	32	29	21	31	25	16	9	3	14	12	20	20	14	14	6	10	20	34	28	31	36	19.2
	Minimum ...	-3	-8	-4	-3	-18	-3	12	8	0	18	22	-3	10	16	0	4	0	-19	-17	-7	-6	-10	-6	-7	-19	-13	-14	-5	15	1	10	-1.6
Hannibal	Maximum...	16	15	18	21	10	16	21	26	27	35	35	27	33	33	23	24	10	3	11	11	14	21	22	14	6	12	17	31	26	30	38	20.8
	Minimum ...	-1	-6	-1	6	-13	-1	12	12	-1	25	24	11	12	15	8	4	0	-17	-17	-1	-3	-1	6	-8	-14	-10	-8	0	12	11	11	2.3
Kansas City Airport.	Maximum...	16	18	22	19	10	15	20	22	27	31	37	27	28	29	28	35	13	4	12	13	17	22	15	9	7	13	23	34	32	31	37	21.6
	Minimum ...	3	0	13	-3	-7	8	7	3	-1	24	20	7	20	16	8	13	4	-12	-11	0	-2	1	2	-5	-9	-10	-9	1	17	7	22	1.1
Kirksville	Maximum...	12	14	19	16	10	16	18	26	20	31	37	36	30	31	26	15	12	2	10	10	17	20	12	12	10	12	19	31	30	29	37	20.0
	Minimum ...	-3	-6	1	1	-11	1	12	13	0	20	30	9	10	20	9	8	2	-15	-15	-4	-3	-1	5	-6	-15	-10	-7	-1	16	11	15	2.6
Lawson	Maximum...	12	15	16	16	8	15	17	23	21	31	37	31	25	21	25	31	21	2	10	10	15	24	11	12	4	8	21	36	31	33	37	20.2
	Minimum ...	3	-5	3	2	-12	3	11	5	5	21	30	2	11	17	6	12	2	-14	-15	-6	-6	-3	-2	-4	-16	-11	-9	3	16	5	17	2.3
Louisiana	Maximum...	12	10	16	22	14	16	24	22	25	32	37	35	33	30	22	28	20	3	5	10	15	20	22	8	3	10	20	30	26	30	40	20.6
	Minimum ...	0	-4	-6	10	-12	-5	12	15	-4	24	32	14	12	20	9	12	0	-10	-18	0	-2	0	6	2	-10	-12	-10	-10	22	14	9	3.5
Macon §§	Maximum...	15	15	20	19	11	16	20	28	27	35	37	26	33	27	24	21	10	-8	11	10	14	21	18	5	5	11	18	34	28	30	39	20.0
	Minimum ...	0	-8	-7	6	-15	-15	2	8	-2	3	25	6	7	19	8	0	1	-13	-19	-10	-8	-4	-3	-3	-15	-14	-12	-10	7	8	20	-1.2
Maryville	Maximum...	10	11	16	14	5	14	17	18	21	30	31	27	20	21	22	18	10	1	11	11	17	17	14	13	2	7	18	32	28	26	38	17.4
	Minimum ...	-1	-9	-2	-5	-16	1	12	7	2	19	20	-1	13	14	2	8	0	-17	-16	-10	-10	-9	-4	-8	-20	-12	-12	-2	12	0	10	-1.1
Mexico §§	Maximum...	19	18	20	23	14	18	24	27	30	35	36	30	33	30	28	38	19	0	13	12	16	24	26	10	10	15	23	32	33	32	39	23.5
	Minimum ...	0	-8	-5	8	-13	-10	5	11	-3	5	28	10	12	20	10	11	4	-8	-15	-10	-7	-2	0	-1	-11	-12	-10	-5	7	8	15	1.1
Moberly	Maximum...	10	11	16	16	.6	16	20	22	23	32	36	35	33	32	22	28	21	7	9	11	14	19	17	10	1	8	20	33	33	31	37	20.3
	Minimum ...	2	-6	2	4	-13	2	12	7	-5	22	29	8	11	20	9	3	1	-14	-16	-5	-7	0	9	-2	-15	-11	-7	5	19	19	16	3.2
Oregon	Maximum...	13	14	17	16	6	14	19	20	24	31	34	28	20	28	25	31	17	4	11	12	19	20	16	12	5	10	23	32	30	29	37	19.9
	Minimum ...	3	-6	4	-2	-15	2	11	9	5	21	21	-1	15	13	5	12	2	-18	-18	-4	-6	-4	-3	-7	-17	-11	-9	7	13	3	17	1.4
St. Charles §§	Maximum...	20	20	21	25	15	20	20	27	30	37	40	33	33	32	31	37	15	0	14	17	22	26	30	13	10	18	26	37	34	31	40	25.0
	Minimum ...	6	-4	0	7	-10	-7	7	7	10	19	30	22	20	25	15	14	12	-4	-14	-10	0	5	9	6	-8	-6	-4	-1	10	13	16	6.0
St. Joseph	Maximum...	13	14	18	17	7	16	20	22	24	33	34	25	22	26	26	32	11	3	10	12	17	21	15	8	3	10	22	33	30	30	38	19.7
	Minimum ...	3	-2	7	-7	-11	7	12	12	8	23	16	6	19	16	8	9	3	-15	-12	-2	-3	-1	-1	-8	-13	-11	-9	6	16	6	20	3.3
Trenton	Maximum...	18	14	18	17	10	21	19	21	28	32	35	28	28	28	25	20	14	-2	11	11	17	22	15	14	4	13	19	34	31	33	37	20.5
	Minimum ...	2	-6	3	10	-13	2	10	9	1	22	28	3	12	20	9	4	-2	-15	-12	-4	-3	-2	-3	-5	-15	-9	-12	-5	17	8	13	2.2
Unionville §§	Maximum...	15	18	21	22	22	20	22	25	28	33	43	31	26	26	23	17	10	-9	3	12	20	21	14	2	7	12	20	32	29	29	37	20.4
	Minimum ...	2	-5	-3	7	-13	-12	3	13	-7	-7	17	2	3	17	7	3	2	-17	-18	-9	-6	-4	-4	-4	-17	-17	-9	-7	5	8	15	-1.8
Warrenton	Maximum...	12	15	18	20	20	15	20	24	26	33	37	37	34	38	28	36	36	8	9	11	17	21	21	20	4	9	20	33	33	28	39	23.3
	Minimum ...	1	-5	1	16	-12	0	13	14	5	25	32	15	16	23	14	11	7	-9	-16	1	-3	2	13	1	-10	-9	-6	5	24	10	17	6.3
Keokuk, Iowa	Maximum...	15	13	17	17	10	16	20	25	26	33	38	26	33	32	22	17	8	2	11	10	17	20	19	13	6	13	18	34	26	30	39	20.2
	Minimum ...	1	-5	-1	-5	-10	-1	13	15	5	26	26	11	13	18	8	5	2	-13	-13	0	-1	3	7	-6	-12	-8	-4	3	15	15	21	4.1
Southwestern Division																																	
Clinton	Maximum...	18	20	24	25	13	18	23	23	30	35	38	33	35	35	31	42	33	7	16	13	14	23	18	10	8	12	26	38	36	31	42	24.8
	Minimum ...	2	-4	10	12	-9	6	10	-2	-1	27	31	11	17	17	5	14	6	-13	-19	-7	-9	-4	9	0	-11	-15	-9	-2	25	5	15	3.8
Eldon §§	Maximum...	17	12	28	25	12	18	24	22	30	36	41	30	36	31	31	44	15	4	11	15	19	25	25	8	9	15	5	37	33	32	43	23.6
	Minimum ...	4	-2	-4	8	-10	5	9	7	4	4	19	24	17	21	14	11	9	-1	-15	-13	-3	-3	-1	3	-7	-7	-8	-4	3	9	9	3.3
Garber	Maximum...	26	26	27	31	27	22	25	27	30	37	42	40	35	38	45	55	47	24	20	25	26	25	32	20	16	25	37	47	45	37	52	32.6
	Minimum ...	10	1	6	21	-3	10	16	2	-7	27	32	22	29	18	15	15	21	-4	-7	8	4	7	14	8	-2	0	-2	7	29	14	12	10.4
Harrisonville §§	Maximum...	13	18	18	18	10	15	18	21	25	30	37	30	30	27	28	35	13	-8	10	12	18	22	14	1	7	12	28	32	30	29	36	20.3
	Minimum ...	2	-4	-4	10	-7	-6	6	0	2	12	23	5	11	13	5	6	10	-9	-15	-10	4	-1	-2	-3	-10	-12	-11	-10	2	5	10	0.7
Jefferson City §§	Maximum...	17	15	18	23	14	17	23	22	30	36	37	30	35	31	31	44	13	-3	11	11	16	24	25	8	7	14	21	37	32	32	42	23.0
	Minimum ...	-1	-5	-5	4	-11	-11	5	6	-4	-2	28	23	14	19	13	13	7	-3	-16	-16	-5	0	0	1	-9	-9	-5	-5	2	8	10	1.5
Lamar §§	Maximum...	32	30	31	33	26	28	31	29	34	38	38	32	37	32	38	46	32	4	15	15	17	20	20	12	12	18	28	40	40	36	42	28.6
	Minimum ...	5	-2	-1	18	-7	-6	14	-3	-3	18	30	18	12	14	10	11	14	1	-13	-6	-2	-2	4	4	-7	-7	-6	-5	11	13	13	4.5
Lebanon	Maximum...	25	23	25	24	22	19	18	22	28	34	45	33	34	35	32	45	40	12	10	20	20	22	25	14	10	15	26	36	37	32	46	26.7
	Minimum ...	8	-4	1	20	-12	10	15	5	-1	26	33	21	20	17	12	22	11	-10	-14	1	-3	1	-2	2	-8	-8	-7	2	25	8	17	6.7
Lexington §§	Maximum...	17	18	20	21	11	19	20	23	30	34	37	28	30	27	30	35	11	5	14	15	17	22	17	5	7	15	24	34	34	32	38	22.3
	Minimum ...	7	-3	-1	12	-8	-6	9	7	3	10	29	7	7	18	11	12	7	-9	-13	-6	-5	-3	-3	-2	-12	-10	-6	-5	19	8	13	2.8
Marshall	Maximum...	20	15	23	21	12	18	20	21	23	33	35	37	32	33	25	36	28	27	12	13	14	20	18	20	6	12	20	34	30	29	39	23.4
	Minimum ...	4	-3	4	10	-11	5	6	6	1	22	32	7	8	10	11	11	-4	-11	-17	5	-6	-2	8	-2	-12	-10	-8	-2	20	7	7	3.1
Mountain Grove	Maximum...	22	18	23	26	23	19	23	23	28	33	43	38	33	35	36	40	39	20	11	17	17	25	26	23	9	16	31	40	38	34	45	27.5
	Minimum ...	8	-2	3	19	-9	12	15	8	4	24	31	23	23	19	14	23	16	-4	-12	4	1	5	10	5	-7	-5	-3	8	25	11	18	9.3
Neosho	Maximum...	26	23	32	31	25	22	22	25	35	38	41	37	42	40	41	52	50	22	10	19	19	24	24	16	12	21	29	46	43	41	51	30.9
	Minimum ...	11	4	11	20	-2	8	12	-10	-5	31	32	18	26	10	9	25	20	-6	-10	5	1	4	13	6	-4	0	-5	8	27	15	19	9.5
Nevada	Maximum...	23	24	27	29	21	20	21	20	29	35	42	36	35	35	37	47	40	11	17	16	16	25	21	14	9	16	29	42	37	37	46	27.6
	Minimum ...	5	-2	10	20	-5	9	15	-3	3	28	31	13	22	14	7	20	11	-9	-14	-1	-3	-1	11	4	-7	-8	-7	7	24	13	20	7.3
Sedalia	Maximum...	14	17	20	22	11	17	22	22	25	33	37	33	35	34	30	40	34	4	11	12	15	23	19	11	7	12	21	37	35	30	39	23.3
	Minimum ...	2	-6	4	11	-12	6	14	4	5	25	32	17	16	18	9	12	4	-12	-15	-4	-5	-1	11	0	-10	-11	-7	2	23	4	16	4.9
Springfield	Maximum...	20	18	24	25	14	20	23	19	29	35	40	28	33	29	36	45	28	8	11	16	17	23	26	10	7	18	29	39	38	31	48	25.4
	Minimum ...	8	-2	1	4	-12	12	7	-1	-1	28	25	23	24	17	15	22	8	-11	-12	4	0	6	8	-4	-7	-4	-4	4	21	11	19	6.7
Warrensburg	Maximum...	15	15	21	22	11	17	21	21	25	33	36	34	33	33	28	38	32	6	13	13	16	22	18	13	6	15	21	34	36	30	38	23.1
	Minimum ...	4	-5	5	9	-9	8	14	2	2	25	31	9	10	17	6	15	5	-12	-16	-6	-6	-3	8	0	-10	-12	-9	4	21	7	7	3.9
Southeastern Division																																	
Arcadia §§	Maximum...	21	23	23	26	20	20	27	27	30	37	42	33	38	32	39	45	20	4	15	23	8	31	29	18	14	16	30	40	35	30	41	27.0
	Minimum ...	3	-1	-1	10	-6	-7	10	15	-3	2	29	26	19	25	18	18	18	3	-11	-8	4	4	8	9	-5	-4	-3	0	3	14	12	6.5
Birch Tree (near)	Maximum...	23	20	20	29	24	20	26	24	28	34	45	41	35	38	41	49	46	20	19	24	28	28	27	25	14	22	32	45	37	35	45	30.5
	Minimum ...	10	0	1	12	-6	12	13	11	0	26	32	26	28	23	17	20	20	-2	-9	5	2	7	17	8	-4	-4	-2	1	20	12	12	9.9
Caruthersville §§	Maximum...	28	24	27	34	27	33	39	29	38	41	49	35	55	38	42	48	35	14	11	28	29	28	33	23	15	21	25	38	37	32	41	32.2
	Minimum ...	14	8	5	12	6	-4	16	15	14	14	35	33	30	28	24	24	26	11	-4	0	7	8	12	2	3	-5	-1	1	6	18	17	12.1
Crystal City §§	Maximum...	15	20	23	27	23	29	..	29	34	38	50	35	41	32	32	45	15	12	14	22	20	30	28	15	11	36	..	..	36	42	44	^{c}28.5
	Minimum ...	-2	-2	-4	15	-9	5	..	14	0	19	32	27	21	24	18	14	14	2	-14	-5	2	0	4	9	-5	-6	2	..	6	15	10	^{b}7.1
Doniphan	Maximum...	28	30	25	34	32	23	32	32	37	35	45	42	41	40	48	54	47	25	23	31	33	30	35	30	23	29	33	43	42	38	45	35.0
	Minimum ...	11	5	4	20	0	15	19	5	3	29	35	31	28	21	20	15	22	0	-7	8	4	8	21	13	1	-4	-1	0	30	11	11	12.2
Farmington	Maximum...	19	20	24	27	25	21	28	33	32	35	45	45	36	36	35	46	46	15	13	21	23	31	30	29	15	17	27	40	39	35	43	30.0
	Minimum ...	3	-1	-2	19	-7	7	15	15	-2	28	34	25	21	25	18	19	14	-1	-11	3	3	8	12	8	-5	-3	0	0	29	14	15	9.8
Jackson	Maximum...	22	22	21	28	28	22	30	29	31	37	41	39	40	46	41	40	44	19	17	27	31	28	27	25	19	20	26	34	35	39	40	30.6
	Minimum ...	0	-1	-2	19	-7	2	17	13	0	27	34	27	27	28	21	20	19	1	-8	7	5	7	20	9	-4	-5	-4	-3	27	15	15	10.5
Poplar Bluff	Maximum...	30	28	24	35	31	21	31	30	36	36	45	43	40	44	46	49	38	27	23	32	33	29	35	30	21	26	30	43	42	39	42	34.2
	Minimum ...	6	4	5	19	-1	12	18	11	6	28	34	30	27	27	17	16	22	3	-7	5	4	7	21	10	-1	-3	-1	0	29	14	13	12.1
Rolla	Maximum...	17	16	22	22	18	19	21	21	26	34	45	34	34	35	32	45	39	10	9	14	17	23	25	12	9	14	24	38	35	29	44	25.3
	Minimum ...	4	-4	4	18	-10	7	15	13	3	26	33	24	21	21	15	22	10	-12	-14	0	-2	3	11	3	-8	-6	-3	7	25	8	16	8.1
St. Louis	Maximum...	16	15	23	24	14	20	25	26	29	36	43	34	37	38	29	41	21	6	10	14	17	27	25	14	6	14	20	33	34	30	41	24.6
	Minimum ...	5	-1	6	2	-6	7	16	17	22	28	34	21	26	24	18	19	6	-11	-12	6	2	7	10	-2	-5	-3	0	10	19	16	24	9.8
Salem	Maximum...	18	19	23	25	19	20	25	22	27	33	45	40	33	33	35	43	36	11	12	19	21	26	26	22	9	18	27	42	36	30	46	27.1
	Minimum ...	4	-2	-1	19	-10	9	14	12	-5	25	32	23	18	22	15	19	11	-7	-13	0	-1	3	12	5	-6	-6	-3	-2	25	10	13	7.6
Sikeston §§	Maximum...	20	22	25	26	15	32	32	30	34	39	44	34	49	38	41	45	28	10	17	29	29	29	22	26	17	21	30	37	36	32	38	29.9
	Minimum ...	3	-2	2	10	-5	8	8	10	7	9	31	32	27	27	21	23	22	6	-8	6	4	8	17	2	-6	-6	-3	-3	4	13	14	9.1
Union	Maximum...	21	21	20	26	23	21	25	29	30	37	40	42	36	36	34	44	39	11	15	18	22	28	29	23	12	23	27	41	37	31	44	28.5
	Minimum ...	-3	-4	-3	12	-9	6	14	11	-4	25	33	18	12	24	15	9	10	-6	-14	3	-2	-1	12	4	-7	-7	-7	-10	25	10	5	5.5
West Plains	Maximum...	23	22	23	30	26	22	25	27	31	34	46	40	34	38	41	54	44	23	18	23	27	26	30	23	15	22	31	42	40	35	47	31.0
	Minimum ...	11	2	-2	19	-4	14	17	3	-4	27	32	26	26	23	16	20	23	-2	-9	6	3	7	12	9	-2	-2	-2	2	29	13	11	10.5
Cairo, Ill.	Maximum...	21	20	23	29	21	22	32	28	34	39	46	37	50	51	39	46	38	16	14	25	26	28	26	23	12	17	20	35	35	31	36	29.7
	Minimum ...	10	6	11	21	-1	9	20	17	11	29	37	30	31	29	23	25	16	-3	-6	9	8	14	14	8	-2	-1	3	7	27	17	20	14.2

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^{a}, ^{b}, ^{c}, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

Vol. XLIV February 1940 No. 2

Price: 5 Cents a Copy; 25 Cents a Year

GENERAL SUMMARY

The outstanding features of the weather in Missouri during February 1940, were the unusual amount of cloudiness and the frequency of precipitation. All stations recording duration of sunshine reported marked deficiencies, with the greatest departures in the central and eastern portions of the State. At St. Louis the duration of sunshine was 27 per cent of the greatest amount possible, which is the least percentage of record for February, except February 1892, which also recorded only 27 per cent. There have been only eight months in the past 48 years with duration of sunshine at St. Louis as little or less than in February 1940.

Although the temperature averaged slightly above normal for the State, as a whole, approximately half of the stations showed deficiencies with the greatest deficiencies in the southeastern division. There were no protracted periods of either high or low temperatures. Minima of zero or lower were confined to a few stations in the northern division with the lowest −11° at Grant City.

Precipitation averaged slightly below normal, but the frequency was fairly regular, particularly from the 18th to the to the 24th, inclusive, when rain or snow occurred almost daily throughout the State. All divisions had less than the normal amount but the deficiency was least in the southeastern division, where some stations received from one to three inches above the normal amount. This is the seventh consecutive month with precipitation below normal, and although there was ample moisture in the topsoil at the close of month, the subsoil moisture was greatly deficient and the water table unusually low for this time of year. This condition is reflected in the long period of unusually low river stages, and the drying up of many of the smaller streams, wells, and ponds. The snowfall during the month was frequent and averaged somewhat above the normal. Some rather heavy falls occurred at several stations, particularly in the northern division.

Farming operations were generally at a standstill and practically no preparation for spring plowing and planting was accomplished. The snow covering was favorable for wheat and pastures, and at the close of month some greening up was noted in many localities. A general thaw during the closing days of month permitted the freeze to get out of ground, and unimproved roads were practically impassable, and fields very soft and muddy.

TEMPERATURE

The monthly mean for the State, 84 stations reporting, was 33.5°, or 0.4° above normal. The highest monthly mean was 39.0° at Campbell, and the lowest monthly mean was 26.1° at Memphis. The highest recorded was 78° at Garber on the 29th, and the lowest was 11° below zero at Grant City on the 10th. The greatest daily range was 50° at Chillicothe on the 11th.

PRECIPITATION

The average for the State, 144 stations reporting, was 1.59 inches, or 0.49 inch less than normal. The greatest local monthly amount was 6.84 inches at Sikeston, and the least local monthly amount was 0.17 inch at Louisiana. The greatest amount in any twenty-four hours was 2.50 inches at Sikeston on the 20th. The average number of days with 0.01 inch or more was 9.

The snowfall averaged 5.5 inches, or 0.4 inch more than normal. The greatest local monthly snowfall was 15.0 inches at Tarkio.

(Continued on page 9)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.04*	30.69*	2	29.51*	11	8.5	25	n.	27	86*	75*	76*	30
Kan. C. Airport	30.05	30.69	2	29.49	11	11.0	26	nw.	24	82	70	73	46
St. Joseph	30.06*	30.69*	2	29.48*	11	8.9	24	n.	23	90*	81*	85*	41
St. Louis	30.04*	30.66*	2	29.61*	11	11.7	29	se.	15	81	70	72	27
Springfield	30.02*	30.61*	2	29.57*	11	9.9	21	s.	23	89*	73*	76*	36
Cairo, Ill.	30.03	30.57	2	29.52	18	9.1	24	s.	8	82	71	71	36
Keokuk, Iowa	30.06	30.73	2	29.51	11	7.7	19	nw.	12	84	71	74	32

* Data for Airport Station.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	33.0	73	−17	2.22	2.04	2.22	2.39	....	7	..	..	..
1889	29.3	73	− 9	2.74	1.80	3.12	3.30	....	7	..	..	..
1890	35.5	81	− 8	2.71	1.12	2.04	4.97	....	7	..	..	..
1891	32.7	78	−13	2.45	2.05	2.33	2.96	2.4	6	..	..	..
1892	37.7	71	2	4.31	3.47	5.40	4.06	....	9	7	6	16
1893	27.9	65	−20	2.17	2.02	1.49	2.99	4.6	6	10	7	11
1894	30.8	72	−12	2.70	2.15	2.01	3.93	11.2	6	10	8	10
1895	23.6	77	−26	0.57	0.48	0.55	0.67	3.3	5	10	10	8
1896	35.6	81	−10	1.67	1.50	1.22	2.30	4.1	5	12	8	9
1897	34.8	74	−15	2.51	1.47	2.79	3.27	8.2	7	7	7	14
1898	35.4	78	− 9	1.61	1.54	1.47	1.81	0.8	5	13	6	9
1899	20.4	72	−32	2.30	1.75	2.06	3.10	5.3	6	12	8	8
1900	26.2	70	−16	4.00	3.87	3.35	4.77	16.6	10	10	6	12
1901	28.1	76	−19	1.74	1.41	1.51	2.31	7.6	6	13	7	8
1902	24.0	72	−17	1.62	0.89	2.10	1.88	5.5	5	11	8	9
1903	29.8	74	−25	3.25	1.98	3.34	4.42	5.8	7	11	6	11
1904	30.0	82	−18	1.02	0.64	0.63	1.78	1.5	5	11	8	10
1905	21.5	69	−40	1.68	1.72	1.69	1.63	13.2	8	11	6	11
1906	33.7	73	−13	2.42	2.66	2.17	2.43	4.8	7	15	6	7
1907	34.8	77	−15	1.28	0.79	0.92	2.12	4.5	6	12	5	11
1908	35.6	78	− 7	4.32	2.83	4.20	5.94	4.1	9	13	6	10
1909	38.8	71	− 4	3.24	2.37	2.52	4.82	3.1	9	13	5	10
1910	28.3	72	−24	2.17	0.92	1.89	3.71	10.2	6	13	5	10
1911	38.1	87	0	3.78	4.09	3.99	3.27	6.7	8	12	5	11
1912	28.3	72	−12	2.51	1.99	2.56	2.98	14.5	6	10	7	12
1913	29.8	78	− 9	2.15	2.08	2.62	1.75	8.5	7	12	5	11
1914	28.3	75	−11	2.80	2.03	2.55	3.83	14.0	7	12	6	10
1915	39.4	72	7	3.07	2.48	3.53	3.21	4.1	8	9	5	14
1916	31.4	78	−12	0.98	0.79	0.73	1.42	5.0	5	13	6	10
1917	30.5	83	−22	0.42	0.16	0.24	0.85	1.4	2	14	7	7
1918	34.9	85	−25	1.06	1.25	0.80	1.12	0.6	4	15	6	7
1919	35.3	71	−10	1.96	1.98	2.08	1.82	6.4	7	13	4	11
1920	34.5	78	− 5	0.62	0.33	0.40	1.14	1.2	4	11	6	12
1921	40.1	86	5	1.03	0.55	0.74	1.79	1.8	4	14	6	8
1922	35.4	80	− 5	1.83	1.37	1.62	2.49	1.9	5	14	6	8
1923	30.2	75	− 9	1.58	0.52	1.26	2.97	1.4	5	13	5	10
1924	33.8	79	− 5	1.84	1.58	1.92	2.03	8.1	7	14	4	11
1925	38.7	78	1	1.88	1.85	1.42	2.37	1.7	6	12	6	10
1926	39.4	76	− 4	2.07	1.93	1.81	2.46	2.9	6	11	6	11
1927	41.3	78	1	1.07	1.07	0.90	1.25	2.3	5	10	8	10
1928	37.0	73	− 2	2.27	2.18	2.17	2.47	1.8	7	12	6	11
1929	25.0	64	−23	1.96	1.31	1.72	2.86	9.4	7	10	5	13
1930	44.5	89	− 5	1.75	0.95	1.49	2.80	1.3	4	13	8	7
1931	40.9	75	5	2.49	1.46	2.82	3.20	0.3	6	12	6	10
1932	42.4	83	− 3	1.47	1.00	0.99	2.43	2.0	6	12	7	10
1933	32.2	78	−22	1.45	0.74	1.26	2.35	4.2	5	14	7	7
1934	32.5	79	−26	1.34	1.00	1.32	1.70	7.0	5	15	6	7
1935	37.4	80	0	1.54	1.63	1.45	1.55	0.2	5	10	6	12
1936	23.2	78	−25	1.50	1.43	1.33	1.73	4.1	6	12	7	10
1937	32.4	74	−15	1.38	1.20	1.46	1.48	3.5	6	11	7	10
1938	41.4	80	− 5	3.20	1.47	3.60	4.54	5.0	7	8	6	14
1939	33.0	71	− 9	3.17	1.73	2.70	5.08	8.6	9	11	6	11
1940	33.5	78	−11	1.59	1.11	1.37	2.28	5.5	9	7	6	16
....	....	..	..	....	....	....	....	....	..	..	..	..
Period	**33.1**	**89**	**−40**	**2.08**	**1.60**	**1.96**	**2.69**	**5.1**	**6**	**12**	**6**	**10**

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Climatological Data for February 1940

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	45	27.8	+ 0.3	54	29	−10	10	44	47	0.86	−0.56	0.44	4.0	4	9	3	17	ne.	A. S. Cumming
Brunswick	Chariton	652	59	30.1	+ 0.3	61	29	6	25†	44	61	1.18	−0.63	0.48	2.7	13	8	3	18	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	2	29.2	......	51	29	− 1	25	29	10	0.99	−0.27	0.28	5.7	10	6	4	19	nw.	Lockmaster
Chillicothe	Livingston	779	31	29.3	− 3.0	60	29	2	10	50	34	1.35	−0.10	0.41	8.0	7	10	5	14	se.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	41	35.4	+ 5.2	60	29	3	25	36	31	1.30	−0.44	0.30	8.5	10	5	5	19	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	50	32.7	+ 0.3	63	29	6	25	35	50	1.08	−1.01	0.37	4.0	11	5	5	19	n.	U. S. Weather Bureau
Conception	Nodaway	980	51	26.5	− 1.7	48	29	− 3	10	31	56	1.53	+0.38	0.69	8.0	8	6	9	14	nw	Fr. Adelhelm Hess
Edgerton	Platte	856	20	30.6	− 3.7	63	29	− 2	10	40	29	1.73	+0.39	0.56	5.2	8	9	3	17	se.	Fred L. Stiff
Elsberry	Lincoln	449	9	33.2	− 0.6	59	29	6	3†	37	9	1.04	−0.62	0.29	1.5	8	3	8	18	nw.	Ray E. Mills
Fayette	Howard	760	60	32.4	+ 1.8	64	29	3	25	38	57	1.07	−0.63	0.34	5.1	11	8	3	18	nw.	Irvin E. Schnell
Fulton	Callaway	818	52	30.4	− 2.7	60	11†	6	25	43	48	1.27	−0.40	0.39	5.2	11	7	3	19	nw.	Clyde C. Herring
Grant City	Worth	1,134	36	27.4	− 1.2	52	29	−11	10	44	48	1.45	+0.34	0.89	13.5	9	6	10	13	se.	Howard Rybolt
Hannibal	Marion	759	48	29.7	0.0	55	29	1	25	32	56	0.68	−1.22	0.30	3.6	9	6	3	20	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	51	32.8	+ 1.6	66	29	10	25	35	51	1.07	−0.75	0.46	4.0	7	4	7	18	n.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	2	32.8	......	67	29	8	10†	39	2	0.90	......	0.86	4.2	10	13	6	10	n.	University of Kansas City
Kidder	Caldwell	1,020	48	29.8	+ 1.4	58	29	2	10	33	52	0.80	−0.74	0.22	3.5	8	6	3	20	nw.	Mrs. Geraldine Terry
King City	Gentry	1,095	..	....	......	..	..	..	..	..	14	1.84	+0.34	0.72	13.0	6	0	9	20	se.	John M. Martin
Kirksville	Adair	969	51	28.9	+ 1.8	53	29	0	25	31	58	1.13	−0.40	0.25	6.5	9	5	11	13	nw.	Howard Coons
Lawson	Ray	1,070	2	30.4	......	62	29	3	10	36	2	1.33	......	0.55	7.0	11	5	9	15	nw.	Elmer E. Lamb
Linneus	Linn	816	..	...	......	..	..	..	..	..	8	1.16	......	0.38	4.0	9	10	3	16	n.	H. D. Taggart
Louisiana	Pike	469	46	31.0	+ 0.1	..	..	3	3	30	59	0.17	−1.91	0.10	T.	2	7	4	18	w.	Stark Bro's Nurseries
Macon	Macon	875	41	29.4	− 0.2	58	29	0	25	45	47	0.61	−1.09	0.32	5.0	7	8	6	15	n.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	50	26.8	+ 1.0	51	29	− 3	10	35	46	1.19	−0.24	0.39	12.0	9	11	2	16	nw.	R. B. Montgomery
Memphis	Scotland	787	1	26.1	......	51	29	− 3	25	48	10	1.08	+0.11	0.52	8.0	8	12	0	17	ne.	John W. Alexander
Mexico	Audrain	800	51	30.1	0.0	60	29	4	25	44	62	1.55	−0.30	0.60	5.9	11	15	4	10	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	3	31.6	......	61	29	3	25	36	3	1.22	......	0.38	6.0	5	7	8	14	ne.	McCormick Hospital
Oregon	Holt	1,048	84	28.4	− 0.4	55	29	3	10†	33	84	1.83	+0.46	0.63	11.0	7	9	6	14	n.	Miss Mina Wright
St. Charles	St. Charles	520	52	33.2	− 0.1	64	11	9	25	40	62	1.28	−0.71	0.75	1.5	6	11	10	8	nw.	Martin L. Comann
St. Joseph	Buchanan	957	30	29.6	− 0.2	58	29	4	10	33	68	1.52	−0.21	0.52	9.0	9	5	8	16	nw.	U. S. Weather Bureau
Steffenville	Lewis	650	42	30.9	+ 1.2	53	29	1	25	31	47	1.06	−0.71	0.25	3.0	7	7	8	14	n.	Frank Hall
Tarkio	Atchison	916	37	26.6	− 2.4	52	29	− 8	10	43	46	1.44	+0.16	0.38	15.0	9	6	6	17	se	Albert Volker
Trenton	Grundy	822	44	30.0	+ 0.6	56	29	− 1	10	39	45	1.89	+0.31	0.61	5.0	8	7	9	13	n.	W. H. Estes
Unionville	Putnam	1,062	47	28.5	+ 1.8	60	29	− 3	25†	44	47	1.42	−0.35	0.90	7.0	7	9	6	14	n.	John H. Schick
Warrenton	Warren	816	58	33.0	+ 2.1	61	29	4	25	36	50	1.63	−0.26	0.44	9.5	12	6	3	20	nw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	68	29.2	+ 0.8	50	29	− 1	25	29	68	0.72	−0.88	0.30	2.5	9	6	2	21	n.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**30.1**	**+ 0.1**	**67**	**29**	**−11**	**10**	**50**	..	**1.11**	**−0.49**	**0.90**	**6.2**	**8**	**7**	**6**	**16**	**nw.**	
Southwestern Division																					
Appleton City	St. Clair	813	45	34.0	+ 0.1	70	29	11	25	41	48	2.04	+0.37	0.90	4.5	8	8	2	19	sw.	Rolla Brown
Bolivar	Polk	1,071	37	35.4	+ 0.2	73	29	10	25	41	45	1.35	−0.75	0.50	4.2	9	5	10	14	nw.	Southwest Baptist College
Boonville	Cooper	650	2	29.9	......	63	29	6	25	45	63	1.15	−0.63	0.30	4.1	11	8	1	20	nw.	Boonville Water Dept.
Clinton	Henry	786	47	34.6	+ 1.0	69	29	10	25	40	53	2.18	+0.23	0.66	6.1	13	..	..	..	......	U. S. Weather Bureau
Dean ‡‡	McDonald	1,000	36	37.4	+ 1.7	74	29	13	14	46	41	1.58	−0.20	0.98	3.5	4	9	4	16	n.	E. S. Taylor
Eldon	Miller	934	45	31.6	− 1.5	68	29	7	25†	45	41	1.80	−0.02	0.80	9.8	9	4	8	17	n.	E. H. Shepherd
Garber	Taney	950	6	37.8	......	78	29	8	25	48	6	1.18	......	0.38¶	6.0	8	6	4	19	nw.	William H. Durham
Harrisonville	Cass	904	62	30.6	− 0.1	66	29	8	25	41	65	1.50	−0.23	0.44	7.0¶	9	5	1	23	sw.	John H. Patterson
Jefferson City	Cole	557	50	30.6	− 1.5	69	29	6	25†	47	58	1.84	+0.08	0.50	9.0	13	7	5	17	w.	Mrs. Frank Kliegel
Lakeside	Miller	595	9	33.4	......	70	29	10	25	44	9	1.50	......	0.58	....	9	..	..	..	w.	W. S. Frame
Lamar	Barton	980	52	35.2	− 0.1	72	29	14	25†	47	59	1.08	−0.69	0.30	5.0	7	8	8	13	nw.	Jesse A. Mann
Lebanon	Laclede	1,265	52	34.3	− 0.1	69	29	6	25	41	53	1.03	−1.16	0.37	6.0	9	5	10	14	nw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	55	31.4	+ 0.4	65	29	8	25	42	56	1.22	−0.62	0.22	2.8	12	5	10	14	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	34	36.0	− 1.0	74	29	13	25	42	44	1.78	+0.05	0.60	10.5	10	7	8	14	nw.	Hubert A. Nieman
Marshall	Saline	779	53	32.4	+ 1.5	64	29	7	25	38	50	1.26	−0.52	0.31	6.0	7	13	11	5	ne.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	39	34.8	− 0.3	63	11	8	25	35	43	1.49	−0.74	0.45	8.1	13	6	8	15	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	28	36.4	+ 1.9	74	29	12	25	41	40	2.02	−0.58	0.58	8.0	7	2	16	11	nw.	G. H. Boswell
Neosho	Newton	1,011	53	38.7	+ 1.1	76	29	15	25	44	57	1.07	−0.92	0.24	1.0	10	9	6	14	nw.	U. S. Fisheries Station
Nevada	Vernon	862	47	36.6	+ 2.7	71	29	14	25	37	48	1.22	−0.53	0.40	0.8¶	8	9	5	15	nw	Henry Kraft
Sedalia	Pettis	910	27	33.8	+ 3.4	65	29	8	25	37	29	1.48	−0.66	0.43	2.2	11	8	7	14	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	39	37.7^{c}	+ 0.2	71	29	14	25	37	37	1.35	−0.49	0.50	9.5	6	4^{c}	8^{c}	14^{c}	sw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	34	34.6	− 0.4	64	29	8	25	34	34	1.50	−0.68	0.50	9.0	6	8	8	13	nw.	A. L. Hailey
Springfield	Greene	1,301	52	34.4	− 1.0	71	29	10	25	39	52	1.31	−1.12	0.44	7.9	10	5	6	18	nw.	U. S. Weather Bureau
Versailles	Morgan	1,037	13	33.9	− 0.3	69	29	5	25	42	16	1.49	−0.08	0.56	6.2	9	7	4	18	nw.	I. M. Wilson
Warrensburg	Johnson	878	53	33.8	+ 1.3	67	29	8	25	38	60	1.02	−0.86	0.24	5.0	14	8	3	18	ne.	E. A. Markey
Warsaw	Benton	687	39	34.4	− 1.2	68	29	7	25	42	45	1.29	−0.95	0.65	4.2	10	5	8	16	sw.	Everett Martin
Division means	**and extremes**	.....	..	**34.4**	**+ 0.3**	**78**	**29**	**5**	**25**	**48**	..	**1.37**	**−0.59**	**0.98**	**5.9**	**9**	**7**	**7**	**15**	**nw.**	
Southeastern Division																					
Advance	Stoddard	354	3	36.5	......	58	29	12	14	31	3	3.19	......	1.92	6.0	10	..	..	..	......	U. S. Weather Bureau
Arcadia	Iron	926	59	33.7	− 0.4	60	11†	12	1	34	62	1.14	−1.34	0.40	1.7	9	9	2	18	w.	Arcadia College
Birch Tree(near)	Shannon	1,000	45	36.2	− 0.1	62	28	12	25	34	46	1.21	−1.29	0.38	5.0	7	7	4	18	......	V. H. Kirkendall
Campbell	Dunklin	314	14	39.0	− 3.1	62	12	18	14	29	14	4.58	+1.25	1.71	5.0	10	6	6	17	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	44	36.6	− 3.7	63	29	12	14†	38	48	4.99	+1.61	2.00	8.0	11	6^{a}	4^{a}	18^{a}	n.	Sam Smith
Crystal City	Jefferson	420	6	35.9^{b}	......	63	11	11	25	..	6	1.34	......	0.52	T.	6	2^{g}	3^{g}	17^{g}	nw.	Pittsburgh Plate Glass Co.
Doniphan	Ripley	344	36	38.0	− 1.3	61	28	15	3	42	36	2.03	−1.28	0.88	T. ¶	7	10	6	13	nw.	Boyce Lackey
Farmington	St. Francois	896	29	36.3	− 0.6	60	11	11	25	37	43	1.25	−1.27	0.58	3.2	9	5	7	17	nw.	F. M. Karsch
Goodland	Iron	1,000	47	34.8	+ 0.5	62	11†	9	25	38	47	0.99	−1.29	0.37	3.9	7	10	3	16	n.	F. M. Adams
Greenville	Wayne	381	31	38.0	+ 2.2	61	28	12	14	41	33	1.10	−1.62	0.45	4.0	6	7	5	17	nw.	Beuford Shoemake
Jackson	Cape Girardeau	428	49	36.3	− 0.2	58	12	12	14	29	50	3.68	+0.80	1.70	12.0	7	7	6	16	n.	L. R. Crites
Koshkonong	Oregon	958	39	37.4	− 1.7	65	28	14	25	35	40	1.31	−1.55	0.65	4.9	9	7	4	18	se.	R. M. Hitt
Licking(near)	Texas	1,170	3	33.4	......	64	29	5	25	44	3	1.25	......	0.53	9.6	8	9	8	12	nw	U. S. Forestry Service
Marble Hill	Bollinger	470	45	36.8	+ 0.2	62	12	12	14	37	47	2.52	−0.56	1.37	6.5	8	7	5	17	nw.	R. A. DeWitt
Poplar Bluff	Butler	339	35	37.4	− 0.7	66	28	14	2	34	36	2.52	−0.37	1.30	2.5	11	8	6	15	w.	Mrs. J. H. Wolpers
Rolla	Phelps	1,202	40	34.0	− 2.3	65	29	6	25	37	56	1.41	−0.61	0.50	7.2	9	..	..	..	......	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	103	34.0	− 0.8	62	11	9	25	33	103	1.39	−1.24	0.65	0.8	12	4	7	18	nw.	**Section Center**
St. Louis Airport	St. Louis	556	3	32.6	......	60	11	8	25	34	9	1.46	......	0.44	3.2	9	4	3	22	......	U. S. Weather Bureau
St. Louis University	St. Louis City	578	28	34.0	− 0.9	57	29	10	25	28	28	0.67	−1.64	0.28	3.6	9	11	5	13	nw.	St. Louis University
Salem	Dent	1,173	36	34.1	− 1.7	67	11	8	25	44	39	1.22	−1.06	0.40	5.0	7	7	5	17	n.	E. E. Martin
Sikeston	Scott	318	33	35.6	− 1.6	56	29	15	14	33	43	6.84	+3.62	2.50	8.8	11	4	19	6	ne.	Mrs. Hazel P. Young
Union	Franklin	520	2	36.0	......	67	29	10	25	45	23	1.41	−0.79	0.41	1.0	7	7	1	21	ne.	Robert Mueller
Wappapello Dam	Butler	475	1	36.4	......	60	28	15	1	36	1	2.53	......	1.20	4.8	10	10	3	16	se.	J. E. Harns
West Plains	Howell	1,005	3	36.6	......	64	11	14	25	41	3	0.61	......	0.42	2.2	4	..	..	..	......	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	68	36.8	− 1.7	57	12	20	25	29	69	3.51	+0.29	1.22	4.3	13	4	2	23	n.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**35.9**	**− 1.0**	**67**	**11†**	**5**	**25**	**45**	..	**2.28**	**−0.41**	**2.50**	**4.5**	**9**	**7**	**5**	**17**	**nw.**	
State means	**and extremes**	.....	..	33.5	+ 0.4	78	29	−11	10	50	..	1.59	−0.49	2.50	5.5	9	7	6	16	nw.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Dean is Anderson, of Hailey is Cato.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for February 1940

Stations	Drainage basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	..	..	
Northern Division																																	
Amity[2]	Grand				.16			T.	.30	.25								.08	*	.06	.27	.13		T.	.45			T.					1.70
Bethany	do			.07													T.			.25		.10		.44									0.86
Bowling Green[2]	Mississippi	.03			.02	T.			T.	T.							T	T.	T.	.26	T.	T	.02		.15			.15		.04			0.67
Brunswick[2]	Grand		.02		.12				.09	.11							.06	.02	.01	.07	.02	.10	.02	T.	.48			.06	T.				1.18
Canton, Lock No. 20[2]	Mississippi				T.	T.			.02	.22							T.	.05		.15	.15	.02	.01		.28			.03	.06				0.99
Centralia[2]	do				.10				.03	T				T.			.02			.11	.08	.03			.14								0.51
Chillicothe[2]	Grand				.08				.15	.40								.01		.10		.20		T.	.41								1.35
Clifton Hill	Chariton			.05	.06				.10								.17		.06	.30	.04	.30		.10	.12								1.30
Columbia[1]‡	Missouri	T.		.02	T.				.01	T.				.01			.16		.10	.11	.02	.06		.29	.08		T.	.22					1.08
Conception	do			.15					.69	T.							.04	.08		.11	.18	.08		.20									1.53
Edgerton	Missouri			.20	T.				.04	.16				T.			.15	T.		.36	.08	.18		.56									1.73
Edina[2]	Mississippi				T.				.04	.16							.11	T.		.07	.06	.02	T.		.54			.03	T.				1.03
Elsberry	do				.02									.07					.09	.15	.15	.05			.22			.29					1.04
Farber[2]	do	.04							.02	.03									.05	.20	.20	T.			.06			.22					0.82
Fayette	Missouri	.04		.03	.06				*	.14				T			.34		.01	.15	T	.05		.13	.12								1.07
Fulton[2]	do	.08			.01	.01								T.	.01			.03	T.	.26	.06	.02	.02		.38			.39					1.27
Gallatin[2]	Grand				.05				.10	.22										.04	.28	.05	T.		.30								1.04
Gorin	Mississippi			T.	T.		T.		.10	.05							.18		T.	.10	T.	.10		.12	.28				.24				1.17
Grant City	Grand			.05	T.				.39	.15							.02	.09		.08	.25	.10		.32	T.			T.					1.45
Hannibal[3]	Mississippi	T.		.01	.01				.08	T.							T.		.11	.06	T.	.04		.30	T.			.03	.01				0.68
Hermann[2]	Missouri				T.					.01					.03				.02	.15	.06		.05		.40			.40	.04				1.16
Kahoka[2]	Mississippi				T.				.10	.30							.12		*	.20		T.	.10		.25			*	.20	.08			1.35
Kansas City Airport[3]‡	Missouri	T.		.08	T.		T.		.14	T.						T.	.05		T	.29	.04	.01	T.	.46	T.			T.					1.07
Kansas City University	do			.07			T.		.09	.01							.01	.03	T	.19	.08	.03		.36	.03								0.90
Kidder[2]	Grand				.10				.20	.09								.04		.04	.07	.04			.22								0.80
King City	Missouri			.12					.72								.05			.30	.10			.55									1.84
Kirksville	Mississippi							.08	.24	.23							.05		T.	.13	.02	.13		.18	.07								1.13
LaBelle[2]	do				.01				.03	.15							.15	.04		.06	.05	.03			.31			.04					0.87
Lawson	Missouri			.11	.04				.14	.02							.06	.03		.15	.15	.08		.46	.09								1.33
Linneus[2]	Grand				.07				.13	.24							.16			.04	.06	.06	T.	T.	.38			.02					1.16
Louisiana	Mississippi									.07									T.	T.	T.	T.		T.			.10						0.17
Lucerne[2]	Grand				.03				*	.40							T.	.03	.01	T.	.06	T.	.04		.36				T.				0.93
Macon[2]	Chariton					.05				.02							T.	T.		.05	.05		.05		.32			.07					0.61
Madison[2]	Mississippi				.07				.02	.04	T						.09	.07		.14	.16	.01			.29			.06					0.95
Maryville	Missouri			.05	T.				.39	.08							T.	.15		.13	.13	.07		.15	.04								1.19
Memphis[2]	Mississippi				T.	T.				.52	T.						.08			.05	.10	.03	.03		.25				.02				1.08
Mexico[2]	do	.08			.03				.02					T.			.04		.05	.20	.20	.02	.03		.60			.28					1.55
Milan[2]	Grand				.07	.01			.24	.27							.04			.06	.08	.12			.40								1.29
Moberly	Mississippi								T.								.38			.25	.30	.24	.05										1.22
Monroe City	do				.06			.11		T.							.14		.18	.08	.12			.30									0.99
Oregon	Missouri			.20					.63								.10	T.		.40	.10	.10		.30									1.83
Palmyra[2]	Mississippi	T.			T.				T.	T.								.12		.26	T.		T		.28			.16	T.				0.82
Paris[2]	do	.03			.04	T.			.02	.04	T.						.03	.13	T.	.12	.09	.01	T.		.25			.05					0.81
Perry[2]	do																	.10	.05	.25	.15	.09	T.		.18								0.82
Philadelphia[2]	do								.08	.14										.28				.05	.25				.01				0.81
St. Charles[2]	Missouri				T.					.10				T.					T.	.75	.07	.01	T.		.18			.17					1.28
St. Joseph[1]‡	do			.16	T.	T.	T.		.52	.01							.10	.01		.28	.09	.03	T.	.32			T.	T.					1.52
Saverton, Lock No. 22[2]	Mississippi	.01			.02	T.			T.	T	T.				T.				T.	.08	.08	T.	T.		.58			.02	T.	T.			0.79
Shelbina	do									.10							.19		.07	.05					.35			.05					0.81
Shelbyville[2]	do									.05										.04	.03		.04		.15			.08					0.39
Steffenville	do	T.			T.				.25	.03							.11		T	.20	T.	.10		.15	T.			.22					1.06
Tarkio	Missouri			.15					.28	.10							.10	.21		.10	.15	.10		.25									1.44
Trenton	Grand	T.		.08					.45	.53							.04			.06	.08	.04	T.	.61			T.						1.89
Troy[2]	Mississippi	.08			T.					T.					T.				.01	.09	.02		.07		.32			.30	.01	T.			0.90
Unionville[2]	Chariton				.04	.04				.90							T.	T.		.02	.02	.08			.32				T.				1.42
Warrenton	Mississippi	.11		T.	.03					.04				.04			.03		.20	.20	.12	.04		.08	.36			.38	T.				1.63
Keokuk, Iowa[1]‡	do	T.		T.	T.		T.		.07	.03				T.			.02		.06	.10	.01	.03	T.	.30	T.			T.	.10				0.72
Southwestern Division																																	
Altona[2]	Osage				.06		T.											.21	.02	.24	.08	T.			.45			.43					1.49
Appleton City	do			.07			T.			T.				T.			.40		.14	.17	.10	.05		.21				.90					2.04
Bolivar	do			.09			T.							.01				T.	.22	.50	.04	.02		.04	.08			.35					1.35
Boonville[2]	Missouri	.08			.02	T.			.01	T.				T.	T.		.03	.22	T.	.11	.07	.10	T.	*	.30			.21					1.15
Buffalo[2]	Osage				.08									T.					.22	.28	.07	.03			.17				.34				1.19
Caplinger Mills	do			.05	T.		T.		T.					T.			.02		.25	.18	.07	.07		.12				.60					1.36
Clinton	do			.04	.01		T.		T.	.02				.02			.23	.02	.30	.24	.11	.17		.25	.11			.66					2.18
Concordia[2]	Missouri	.04			.12				.05	.09					T.		.02	.17	.05	.05	.06	.07			.36			.18					1.26
Dean	Neosho		T.	T.		T.	T.		T.	T.				T			T.	T.	.98	.34	T.			.04	.22		T.						1.58
Eldon[2]	Missouri				.03										.03				.03	.37	.12	.06	.02		.34			.80					1.80
Galena[2]	White																		*	*	.83							T.					0.83
Garber	do			T.										T.				.35	.38	.14	.02	.02		.02	.15			.10					1.18
Hailey	do			.05		.02									.02			.21	.55	.24	.02		.11	.22	.02								1.46
Harrisonville[2]	Osage				.06			T.	.02	T.								.25	*	*	*	.55			.44			.18					1.50
Jefferson City[2]	Missouri	.01			.02	.03			.01	.02				T	.09		.03		.10	.33	.08		.24		.38			.50					1.84
Joplin[3]	Neosho			.11					T.								.08	.07	.23	.25	.02			.36									1.12
Lakeside[2]	Osage				.04				T.	T.				.01	T.			T.	.23	.24	.04	.08	.01	T.	.27			.58	T.				1.50
Lamar[2]	Neosho				.10													T.	.10	.05	.23	.10			.20			.30					1.08
Lebanon	Osage			.06										.03					.23	.07	.04	.07		.08	.08			.37					1.03
Lexington[2]	Missouri				.15				.10	.09							.10	.22	.02	.08	.06	.07		.05	.22			.06					1.22
Lockwood	Osage			.13	T.									.06			.17	T.	.60	.15	.10	.11		.02	.12			.32					1.78
Marshall	Missouri			T					T.	T.				T.			.31		.20	.20	.10	.20		*	.25								1.26
Mountain Grove	White			.07	.03	.03	T.							.05	T.			.11	.45	.11	.08	.15	.03	.05	.12			.21					1.49
Mount Vernon	Neosho			.10														.25	.58	.24	.24			.33				.28					2.02
Neosho	do			.02		T.	T.			T.				.02			T.	.21	.07	.09	.02	.09		.14	.24			.17					1.07
Nevada	Osage			.05	T.									T.			.36		.11	.11	.03	.03		.13	T.			.40					1.22
Osceola[2]	do				.05														.18	.17	.20	.12			.16			.33					1.21
Ozark Beach[2]	White				.06														.49	.25	.17				.13			.03					1.13
Pleasant Hill[2]	Osage				.03			T.	T.						T.		.05	.18	T.	.18	.02	.14			.40			.10					1.10
St. Thomas (near)[2]	do									T.				T.	.04				T.	.37	.05	.03	T.		.26			.64					1.39
Sedalia	Missouri	.06		.04	.04		T.							.01			.39		.15	T.	.04	.07		.25	.18			.25					1.48
Seligman	Neosho		T.	T.	T.									T.				.25	.50	.20	.20			.09				.11					1.35
Seymour (near)	White			T.			T.							.05				T.	.45	.22		.23		.05				.50					1.50
Springfield[1]‡	do			.06	T.	T.	T.		T.	T.	T.			.02			T.	.25	.26	.19	.07	.01		.11	.01		T.	.33					1.31
Stover[2]	Missouri																	.23			.25	.06			.29			.49					1.32
Versailles	Osage			T.										.01			.02		.20	.24	.08	.06		.12	.20			.56					1.49
Warrensburg	Missouri	.01		.04	.03	.01			.02	.03				T.			T.	.03	.05	.12	.13	.08		.24	.12			.11					1.02
Warsaw	Osage			.02	.02				.02					T.			.05		.07	.15	T.	.04		.18	.09			.65					1.29
Waverly[2]	Missouri	.02			.10				.11	.10				T.	T.		.02	.09	.01	.05	.03	.06	T.		.32			.10					1.01
Southeastern Division																																	
Advance	St. Francis			T.	T.		.39			.02	.33			.19	T.			.20	1.74	.07	.11	T.		T.	.04			.10					3.19
Annapolis	do						T.							.05				.13	.60	T.	T.	T.			.07			.31					1.16
Arcadia[2]	do				T.		.03			.02					.07		T.	T.	.13	.33	.05	T.	T.		.11			.06	.34				1.14
Belleview	Meramec													T.				T.	.12	.33	T.	.48		.80									1.73
Birch Tree (near)	Black													.06				.38	.30	.07		.05			.15			.10					1.21

Continued on next page

Daily Precipitation for February 1940—Continued from preceding page

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	..	..	
Southeastern Division—	*Concluded*																																
Bragg City[2]	St. Francis				T.		.65	T.			.50	.55		.35	.30				1.75	.35	.19	T.			.31			T.	.06				5.01
Campbell	...do				T.		.52			.10	.88			.50				.64	1.71	.03	.08	T.			.09			.03					4.58
Cape Girardeau[2]	Mississippi						.35	.02		.01	.18	.51		.05	.10				1.15	.32	.19	T.	T.		.10			.07	.20				3.25
Caruthersville[2]	...do						.80			.10	.40	.30		.30	.20		.08		2.00	.12	.28				.41								4.99
Centerville[2]	Black						T.							T.	T.				*	.65	T.	T.	T.		.06			.26					0.97
Crystal City[2]	Mississippi														T.				*	.52	.13	.02	.15					.52					1.34
Cuba[2]	Meramec													.25					.20	.40	.30							.15					1.30
Dexter[2]	St. Francis						.12	.03		.20	.50	.30			.37				2.00		.23	.03	.02		T.			.02	.30				4.12
Doniphan	Black						.28			T.				.17				.49	.88	.04		.04			.13								2.03
Farmington	St. Francis			T.	T.		.03			.06				.02	T.				.29	.10	.05	.04			.08			.58					1.25
Fisk[2]	...do						.33			.06	.79	.23		.17	.13			T.	1.83	.21	.21	.07						.06	.21				4.30
Fredericktown[2]	...do						.05								.03				.26	.16	.02	T.	.03		.07				.23				0.85
Goodland	Black						.02							.05					.33	.11	.04	T.			.07			.37					0.99
Greenville	St. Francis						.10							.15				.10	.45	.10		T.						.20					1.10
Jackson	Mississippi						.80							.40					1.70	.18	.28	T.			.07			.25					3.68
Jerome[2]	Gasconade				.02									.05	.05				.10	.40	.10	.05						.20					0.97
Koshkonong	Black			T.						.04	.02			.12			T.	.12	.65	.06	.01	T.		T.	.20			.09					1.31
Leeper[2]	...do						.10			T.	T.			T.	.10				.85	.30	.05		T.		.05			.05	.15				1.65
Licking (near)	Gasconade			T.	T.					T.	T.			.05		T.			.53	.03	.01	.07		.02	.16			.38					1.25
Marble Hill	Mississippi						.40				.14			.25				.03	1.37	.11	.05	T.		T.			.17						2.52
Meramec Park[2]	Meramec				.02									.03					29	.42	.21				.21			.76					1.94
Morehouse	Mississippi						.55			.16	.55			.33	T.			.13	2.03	.14	.16	.04						.26					4.35
New Madrid[2]	...do						.43	.23		.06	.14	.76		.21	.33				2.28	.24	.38	.08	.06		.09	T.		.03	.18				5.50
Owensville[2]	Gasconade																		.11	.64	.22			.14				.38					1.49
Pacific[2]	Meramec																																....
Parma[2]	St. Francis						.55	.05		.30	.75	.20		.07	.36				2.25	.10	.22							.15	.18				5.18
Poplar Bluff[2]	Black						.08	T.		.05	.30	T.		.10	.05				1.30	.20	.09		T.		.08			.19	.08				2.52
Richwoods[2]	Meramec													.08					T.	.71	T.	T.	T	.31				.60					1.70
Rolla	...do			.02	T.					T.	T.			.10		T.	T.		.40	.18	.09	.05		.05	.09		T.	.46					1.44
St. Louis[1]‡	Mississippi	.06	T.	.01	T.				T.	T.	T.			.01			.02	.07	.65	.14	.02	T.	T.	.10	.06			.24	.01				1.39
St. Louis Airport[3]‡	Missouri	.08	T.	T.	T.			T.	T.	T.	T.			T.		T.	T	.12	.41	.31	.03	.02	T.	.13	.05		T.	.31	T.				1.46
St. Louis University[3]‡	Mississippi			.02	T.				T.	T.				.03			T.		.28	.14	.01	.04		.01	T.		.01	.13	T.				0.67
Salem	Meramec			T.							T.			.07					.40	.10	.11	.04		T.	.10			.40					1.22
Sikeston[2]	Mississippi						.70	T.		.18	.68			T.	.55				1.80	T.	2.50	.02	.06		.09			.06	.20				6.84
Union	Meramec			T.	T.					T.				.05			T.		.31	.30	.10	.04			.20			.41					1.41
Valley Park[2]	...do	T.			T.						T.			T.	T.				T.	.60	.02	.03	T.		T.			.29	T.	T.			0.94
Van Buren	Black						T.	T.			T.			.10				.02	.75	.12								.17					1.16
Wappapello Dam[3]	St. Francis						.27	T.			.20	T.		.03	.07				1.20	.46	.08		T.		.05			.10	.07				2.53
Washington Univ.[3]‡	Mississippi	.09													.01				.25	.54	.18	.01			.12			.30					1.50
West Plains	Black			T.	T.					T.	T.			.02			T.	.21	.28	T	T.	T		T.	.10			T.					0.61
Williamsville[2]	...do						.22			.02				.04	.14				1.22	.40	.07				.11				.17				2.39
Willow Sprgs. (near)[2]	White					T.													T.		.50		.30					.15					0.95
Zalma(near)[2]	Mississippi						.40			*	.14			*	.27				1.20	.35	.05	.03			.05			.06	.06				2.61
Cairo, Ill. [1]‡	...do			T.	T.	.10	.42		.07	.15	.49			.43			T.	.60	.65	.21	.07	.04		T	.13			.15	T.				3.51

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖‖‖‖ Incomplete.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Clifton Hill, Columbia Airport, Conception, Dean, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Springfield Airport, Steffenville, Tarkio, Versailles, Wappapello Dam, Warsaw, and Washington University.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for February 1940

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	..	..	
Columbia	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Mean temperature	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Wind movement	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Lakeside (Osage Dam)	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Mean temperature	30	30	24	27	32	30	34	42	27	32	45	35	30	34	34	47	35	32	33	34	32	30	32	27	22	32	39	38	48	..	..	33.4
	Wind movement	21	20	42	86	29	34	87	52	86	65	45	54	70	72	59	131	58	67	79	107	78	85	47	88	102	41	85	46	50	..	..	1,886
St. Louis (Washington University)	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.000	.013	.017	.000	....	....	.023	*	*	.237	.016	.020	....	....	....
	Mean temperature	28	27	25	28	34	30	30	38	34	29	42	38	30	32	36	42	36	32	34	34	33	30	34	32	20	28	35	35	42	..	..	32.8
	Wind movement	21	59	56	35	26	74	29	61	50	89	46	42	90	85	35	67	57	125	118	119	86	42	35	63	116	42	44	42	38	..	..	1,792

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Columbia, Lakeside, and St. Louis (Washington University) descriptions see July 1938, April 1932, and August 1938 reports respectively. * Included in next measurement.

Continued from page 6

MISCELLANEOUS PHENOMENA

Fog.—Dense, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 16th, 17th, 24th, 27th, 28th.

Glaze.—1st, 3d, 8th, 9th, 10th, 23d.

Halos.—Solar, 1st, 3d, 12th, 16th; lunar, 16th, 22d.

Sleet.—1st, 3d, 4th, 6th, 7th, 8th, 9th, 10th, 12th, 13th, 15th, 17th, 18th, 19th, 22d, 23d, 24th, 28th.

Daily Temperatures for February 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	..	..	Mean
Northern Division																																	
Brunswick §§	Maximum	41	33	34	39	34	31	38	36	27	34	54	39	29	45	53	43	40	37	33	35	34	34	36	20	27	41	42	42	61	..	..	37.7
	Minimum	16	23	13	13	30	29	26	30	23	10	10	28	27	17	18	33	36	32	31	31	28	20	20	14	6	6	26	29	27	..	..	22.5
Chillicothe §§	Maximum	41	32	34	38	27	30	38	34	27	37	54	36	28	44	54	53	40	38	34	35	33	34	35	25	34	40	40	42	60	..	..	37.7
	Minimum	18	23	12	15	26	25	24	27	18	2	4	33	25	16	18	33	33	31	34	29	26	15	16	10	3	9	30	29	26	..	..	20.9
Columbia	Maximum	39	30	30	38	35	32	35	45	32	31	62	38	32	45	53	52	43	35	34	36	33	32	40	33	23	46	45	41	63	..	..	39.0
	Minimum	30	21	16	27	25	26	27	32	24	15	31	32	24	19	35	41	34	31	31	30	28	20	30	17	6	22	34	30	28	..	..	26.4
Fayette	Maximum	42	39	30	38	35	34	35	39	33	35	57	45	34	46	55	45	42	38	34	34	33	35	38	33	28	42	43	42	64	..	..	39.6
	Minimum	32	21	22	29	24	26	26	30	23	10	23	30	25	16	32	38	32	30	30	31	27	16	28	14	3	19	36	28	26	..	..	25.1
Grant City	Maximum	38	35	25	35	30	31	33	33	25	33	49	40	30	41	43	40	38	38	35	32	33	28	34	33	25	37	37	35	52	..	..	35.1
	Minimum	31	21	9	24	10	22	24	21	11	−11	18	29	19	8	31	36	32	31	29	26	25	8	22	4	−5	18	25	27	23	..	..	19.6
Hannibal	Maximum	40	29	30	36	35	31	34	36	30	33	51	38	31	37	50	46	41	36	33	35	34	32	37	34	26	40	40	38	55	..	..	36.8
	Minimum	27	16	8	27	29	24	25	27	21	10	23	28	22	17	27	35	29	30	31	30	25	19	27	7	1	17	26	23	23	..	..	22.6
Kansas City Airport	Maximum	39	34	34	39	32	33	43	37	25	39	57	38	29	49	55	48	39	38	35	32	33	32	40	32	34	49	47	45	66	..	..	39.8
	Minimum	33	21	20	27	20	25	27	22	16	11	32	28	24	23	38	36	35	32	30	27	22	17	32	13	10	31	32	31	31	..	..	25.7
Kirksville	Maximum	39	32	26	36	34	31	35	33	29	31	48	41	31	39	49	41	39	35	33	34	32	31	35	34	25	35	35	36	53	..	..	35.6
	Minimum	25	21	13	23	30	22	27	28	19	6	25	31	22	13	28	31	31	30	30	30	27	15	16	10	0	15	29	26	22	..	..	22.2
Lawson	Maximum	37	35	30	37	31	29	38	34	26	39	51	44	30	45	50	46	41	36	35	32	31	31	34	33	30	40	42	41	62	..	..	37.6
	Minimum	32	21	12	29	18	23	22	26	15	3	27	30	22	16	29	39	34	30	29	28	23	12	28	10	5	22	31	28	27	..	..	23.1
Louisiana	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	30	20	9	28	28	27	26	28	27	15	20	30	28	22	28	30	30	30	30	32	30	23	24	18	26	27	33	30	33	..	..	26.1
Macon §§	Maximum	39	29	33	38	34	30	45	34	29	34	54	38	32	40	51	41	39	35	34	31	34	33	35	25	29	40	40	41	58	..	..	37.2
	Minimum	20	24	11	20	28	25	29	30	19	7	9	31	23	18	21	32	30	31	30	30	31	16	17	11	0	6	27	25	23	..	..	21.5
Maryville	Maximum	38	34	24	35	28	30	31	32	21	32	48	37	27	40	40	39	34	36	34	32	31	28	35	33	24	36	37	35	51	..	..	33.9
	Minimum	31	21	13	24	10	22	20	21	9	−3	19	27	19	11	31	34	32	30	29	25	17	4	22	4	1	21	25	28	25	..	..	19.7
Mexico §§	Maximum	39	30	32	37	35	31	35	39	28	38	58	40	32	45	53	52	40	33	34	35	34	35	39	28	29	42	40	40	60	..	..	38.4
	Minimum	18	24	10	15	27	28	26	27	25	12	14	31	24	20	20	31	30	30	30	30	29	18	18	10	4	11	22	26	21	..	..	21.8
Moberly	Maximum	40	37	30	36	36	33	35	35	33	32	53	48	33	42	52	45	41	44	34	34	32	33	36	42	26	40	41	43	61	..	..	38.9
	Minimum	32	22	11	27	30	24	24	28	22	10	28	31	23	17	30	37	30	30	30	31	27	16	27	14	3	17	36	26	25	..	..	21.4
Oregon	Maximum	37	35	27	36	27	32	36	34	23	36	48	37	28	45	48	43	34	37	33	32	33	29	37	34	31	37	40	37	55	..	..	35.9
	Minimum	31	20	15	26	11	22	15	22	9	3	26	27	19	19	34	34	32	30	29	26	17	8	21	5	3	21	26	29	27	..	..	21.0
St. Charles §§	Maximum	34	33	33	38	39	34	34	48	39	39	64	45	34	39	48	55	40	34	36	36	35	39	42	30	34	46	44	41	61	..	..	40.5
	Minimum	20	20	14	19	29	30	22	29	32	24	24	35	30	23	24	32	31	32	32	32	32	25	26	28	9	15	30	29	27	..	..	26.0
St. Joseph	Maximum	40	32	32	36	27	32	38	34	22	37	50	35	26	45	50	45	36	38	34	31	31	30	37	23	31	43	41	40	58	..	..	36.3
	Minimum	32	20	16	24	15	23	18	20	11	4	30	25	20	20	36	35	31	31	30	27	21	13	23	9	7	28	29	30	29	..	..	22.8
Trenton	Maximum	39	35	33	36	32	31	34	33	31	38	49	42	30	39	48	42	42	40	34	32	35	32	34	30	28	38	38	39	56	..	..	36.9
	Minimum	32	23	9	29	23	23	28	28	17	−1	22	30	23	14	30	38	35	32	30	29	26	14	26	8	2	19	30	29	25	..	..	23.2
Unionville §§	Maximum	44	34	34	37	38	32	34	38	28	34	47	44	30	45	55	48	45	42	38	35	32	34	37	23	26	38	45	43	60	..	..	38.6
	Minimum	21	26	12	13	28	23	25	26	16	2	5	25	22	10	11	31	33	30	29	29	26	12	12	6	−3	−3	19	27	22	..	..	18.4
Warrenton	Maximum	39	37	32	37	37	35	32	44	44	33	60	60	36	44	46	51	52	38	33	35	35	31	34	34	26	42	43	38	61	..	..	40.3
	Minimum	33	25	13	28	25	28	25	26	27	18	26	33	27	21	30	38	30	31	32	31	30	19	22	18	4	17	36	27	25	..	..	25.7
Keokuk, Iowa	Maximum	40	29	32	36	34	31	33	34	27	32	48	39	30	32	46	43	40	35	33	35	33	30	36	34	20	39	37	34	50	..	..	35.2
	Minimum	29	19	12	29	31	24	27	25	18	9	24	30	23	21	28	35	30	32	32	31	26	20	25	7	−1	16	28	22	21	..	..	23.2
Southwestern Division																																	
Clinton	Maximum	45	36	31	37	34	33	42	46	35	41	66	54	34	53	53	52	43	37	31	34	37	36	38	35	36	46	48	48	69	..	..	42.5
	Minimum	32	24	17	31	21	26	27	33	22	20	29	28	26	18	34	42	36	29	31	30	25	18	29	17	10	25	35	33	29	..	..	26.8
Eldon §§	Maximum	34	33	32	37	35	31	40	49	27	41	66	40	30	50	52	55	37	33	34	35	32	33	38	28	32	48	44	46	68	..	..	40.0
	Minimum	15	23	15	14	23	24	22	30	26	22	21	32	29	18	15	30	35	30	30	31	28	17	16	21	7	7	29	32	28	..	..	23.2
Garber	Maximum	55	48	35	42	40	44	48	61	48	50	69	60	45	57	55	52	50	34	36	34	37	40	41	42	41	53	54	64	78	..	..	48.8
	Minimum	20	33	21	28	36	29	28	33	27	26	21	27	31	15	31	37	30	29	28	27	23	12	25	22	8	29	33	32	32	..	..	26.7
Harrisonville §§	Maximum	39	30	32	37	32	31	43	35	24	37	57	35	33	49	55	45	39	38	33	32	33	35	39	24	37	48	47	45	66	..	..	39.0
	Minimum	20	21	14	20	19	20	21	24	17	14	16	31	26	18	31	35	35	30	29	27	20	15	17	13	8	11	33	33	29	..	..	22.3
Jefferson City §§	Maximum	41	32	33	37	35	30	35	47	27	37	65	39	29	47	52	55	38	32	33	34	32	33	39	29	31	45	43	42	69	..	..	39.3
	Minimum	15	22	11	11	20	21	25	27	25	20	18	31	27	16	16	31	32	29	29	29	26	16	16	26	6	6	27	29	26	..	..	21.8
Lamar §§	Maximum	51	36	35	39	42	39	48	52	35	46	68	44	34	54	55	53	41	34	35	34	40	39	41	35	38	55	47	57	72	..	..	44.8
	Minimum	22	26	25	25	32	26	25	28	24	22	21	26	27	19	21	33	38	30	30	30	23	18	18	24	14	14	31	35	34	..	..	25.6
Lebanon	Maximum	47	40	29	39	37	35	43	52	46	41	65	55	35	50	52	53	47	35	32	32	31	35	35	34	35	42	47	50	69	..	..	42.9
	Minimum	28	26	16	27	30	26	24	32	23	22	30	29	26	14	29	38	33	29	29	29	25	9	25	21	6	24	36	30	28	..	..	25.7
Lexington §§	Maximum	41	33	35	41	33	30	41	38	27	42	57	37	28	47	55	44	39	39	33	34	35	36	36	28	35	42	46	47	65	..	..	39.4
	Minimum	24	22	14	20	24	24	24	26	18	12	15	33	26	18	24	40	35	31	31	30	25	17	20	13	8	15	34	30	29	..	..	23.5
Marshall	Maximum	39	38	29	38	35	34	37	40	34	36	61	50	47	46	52	55	45	38	35	34	32	32	37	34	24	40	40	42	64	..	..	40.3
	Minimum	33	22	14	23	28	25	26	31	18	10	23	23	24	19	32	34	34	30	30	30	26	18	29	14	7	15	35	30	27	..	..	24.5
Mountain Grove	Maximum	50	42	34	36	37	35	41	54	49	40	63	57	40	49	49	54	49	34	32	32	32	36	37	33	36	44	48	56	62	..	..	43.5
	Minimum	22	25	17	26	32	27	28	30	25	23	29	31	26	14	28	36	32	29	29	29	25	12	25	23	8	26	37	32	29	..	..	26.0
Neosho	Maximum	51	47	35	42	42	38	54	55	46	47	68	66	54	54	56	50	50	38	34	33	39	40	43	40	42	55	55	59	76	..	..	48.6
	Minimum	24	32	25	32	35	26	27	38	25	22	29	26	28	16	32	41	38	30	31	30	23	22	32	24	15	29	37	33	32	..	..	28.8
Nevada	Maximum	48	36	33	38	40	32	49	47	36	45	67	59	36	53	55	51	46	38	34	32	40	38	39	38	39	52	54	55	71	..	..	44.9
	Minimum	28	25	23	32	27	25	27	36	22	20	32	29	28	20	35	41	38	31	31	30	21	20	30	20	14	29	36	35	34	..	..	28.2
Sedalia	Maximum	40	36	31	40	36	32	37	46	36	39	62	57	34	48	55	48	43	39	33	33	33	34	38	33	33	45	47	45	65	..	..	41.3
	Minimum	33	20	15	30	19	27	26	32	22	17	29	32	27	18	33	41	35	30	31	31	25	18	28	17	8	25	37	33	28	..	..	26.4
Springfield	Maximum	48	34	29	38	37	30	41	57	32	42	64	49	30	49	52	51	42	32	32	31	32	32	37	34	34	48	49	54	71	..	..	41.8
	Minimum	28	26	23	28	30	25	27	32	23	23	30	29	22	17	33	39	30	30	30	27	24	16	32	19	10	29	34	33	32	..	..	26.9
Warrensburg	Maximum	42	37	32	37	33	34	40	44	35	38	62	51	33	49	54	50	42	38	34	33	35	35	37	34	33	43	48	46	67	..	..	41.2
	Minimum	33	22	15	30	22	26	26	32	20	20	30	30	20	19	35	41	35	30	31	30	25	17	28	16	8	25	35	33	29	..	..	26.3
Southeastern Division																																	
Arcadia §§	Maximum	49	37	33	39	38	32	32	46	37	42	60	57	32	51	47	55	37	34	33	35	32	39	41	36	28	45	49	55	60	..	..	41.8
	Minimum	12	27	13	13	30	30	27	26	32	27	26	30	30	18	20	28	29	30	31	32	30	22	22	30	22	23	27	30	26	..	..	25.6
Birch Tree (near)	Maximum	54	44	34	40	39	37	42	51	48	41	57	61	51	49	50	58	52	33	33	34	34	37	40	37	39	49	52	62	60	..	..	45.4
	Minimum	20	26	20	28	35	29	25	26	29	26	26	30	28	15	25	36	33	31	31	31	30	19	23	28	12	25	40	30	27	..	..	27.0
Caruthersville §§	Maximum	49	40	38	40	41	37	36	52	48	34	57	59	35	41	49	54	43	40	38	38	38	42	44	44	39	52	58	62	63	..	..	45.2
	Minimum	18	24	22	22	35	32	30	30	34	31	19	23	33	12	12	31	39	37	34	32	35	28	28	31	23	23	30	33	35	..	..	28.1
Crystal City §§	Maximum	39	42	36	43	41	34	42	49	36	..	63	41	51	48	50	50	41	..	35	37	..	..	..	..	..	51	59	..	62	..	..	ʰ45.2
	Minimum	20	26	28	25	12	24	27	28	31	26	..	20	29	24	26	34	30	..	32	33	32	..	..	..	..	11	41	..	26	..	..	ᵍ26.6
Doniphan	Maximum	55	45	36	44	42	40	35	52	50	48	60	60	54	50	50	59	51	38	39	40	38	45	45	40	42	51	50	61	58	..	..	47.5
	Minimum	18	29	15	31	36	31	30	29	36	30	18	30	32	16	20	39	35	32	34	34	33	22	25	30	17	21	41	30	29	..	..	28.4
Farmington	Maximum	44	46	39	41	40	37	36	46	47	39	60	56	46	48	49	55	52	42	40	36	36	37	41	43	32	46	49	53	59	..	..	44.7
	Minimum	30	27	15	30	34	29	26	30	31	26	23	37	29	21	26	35	3[illegible]	32	32	32	31	22	26	24	11	22	40	30	27	..	..	27.9
Jackson	Maximum	50	41	37	40	40	38	34	46	49	37	50	58	54	38	44	55	51	38	35	37	38	40	42	41	34	45	50	53	53	..	..	43.7
	Minimum	24	29	15	33	35	31	29	31	36	29	21	32	30	12	27	35	32	35	33	33	33	26	27	31	17	23	42	30	28	..	..	28.9
Poplar Bluff	Maximum	52	35	38	42	42	40	35	52	52	36	58	62	50	47	52	59	52	38	36	40	39	49	47	44	42	52	58	66	58	..	..	47.3
	Minimum	19	14	15	31	35	31	31	23	35	24	24	30	31	15	21	37	33	35	32	32	32	23	26	32	17	21	37	34	29	..	..	27.6
Rolla	Maximum	42	34	28	38	37	33	38	49	47	38	64	53	34	48	46	56	50	36	32	33	31	32	38	34	31	44	45	48	65	..	..	41.5
	Minimum	30	23	17	28	31	28	25	30	25	23	30	32	26	17	29	40	30	30	30	31	27	16	25	23	6	22	37	33	28	..	..	26.6
St. Louis	Maximum	39	32	33	40	41	33	33	49	39	34	62	48	32	40	46	52	41	34	35	36	34	34	42	36	27	45	46	38	57	..	..	39.9
	Minimum	32	23	20	32	33	27	26	31	27	24	29	32	28	23	30	36	32	32	33	33	30	25	30	18	9	24	32	30	30	..	..	28.0
Salem	Maximum	45	37	28	39	37	42	39	51	46	38	67	54	36	49	47	54	47	35	32	33	32	35	43	33	32	45	47	53	64	..	..	42.8
	Minimum	25	23	14	27	32	30	24	28	25	24	23	29	25	14	28	37	31	30	30	30	28	15	21	23	8	20	37	31	26	..	..	25.4
Sikeston §§	Maximum	48	38	40	40	40	37	38	52	44	46	44	55	33	45	50	55	38	38	37	38	39	43	44	42	35	52	53	52	56	..	..	43.9
	Minimum	22	27	19	19	32	30	28	28	28	29	28	29	29	15	24	34	32	34	31	30	32	26	27	32	18	19	27	32	29	..	..	27.2
Union	Maximum	40	36	34	40	40	37	35	51	45	40	65	60	39	52	52	58	54	39	35	37	36	39	43	40	33	51	50	44	67	..	..	44.6
	Minimum	30	25	12	30	32	31	28	30	30	23	20	28	29	23	27	40	31	33	33	33	32	23	26	22	10	23	39	27	26	..	..	27.4
West Plains	Maximum	56	41	30	41	40	38	42	53	49	43	64	59	52	51	52	55	48	36	34	34	33	38	41	37	39	50	54	63	63	..	..	46.1
	Minimum	17	28	16	28	35	30	25	29	30	25	20	28	28	17	22	38	34	31	31	31	28	18	26	29	14	25	42	29	28	..	..	27.0
Cairo, Ill.	Maximum	47	36	38	39	40	35	34	55	50	33	52	57	37	40	46	55	40	40	37	38	38	40	43	41	32	49	54	51	55	..	..	43.2
	Minimum	30	25	21	34	35	32	31	32	33	24	23	37	30	23	30	36	34	34	32	32	32	28	32	27	20	26	41	36	34	..	..	30.5

ᵃ, ᵇ, ᶜ, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

Vol. XLIV   March 1940   No. 3

Price: 6 Cents a Copy; 25 Cents a Year

GENERAL SUMMARY

This March was only slightly cooler than normal. While there was a deficiency in the average temperature of each division of the State, there were no record-breaking low temperatures. The lowest temperature for the month was zero at Licking(near). However, subnormal temperatures were so general and persistent, except during the last five days, that the advancement of vegetation, and the preparation and seeding of early spring crops were greatly retarded. During the closing days of the month there was a decided change to warmer with maximum temperatures in the high 80's.

The average precipitation of the State was 75 per cent of the normal. It was fairly well distributed and produced sufficient topsoil moisture for immediate needs. The snowfall was above normal for the month and some heavy local falls, ranging from ten to eleven inches, occurred in the southeastern division.

By the close of the month most of the oat crop had been sown. The winter grains, pastures and ranges were making fair progress. Some ground for corn had been prepared, and in the more southern counties a small amount had been planted. Vegetation had made rather slow progress, and the season was generally two to three weeks late.—H. C. G.

TEMPERATURE

The monthly mean for the State, 84 stations reporting, was 43.1°, or 0.9° below normal. The highest monthly mean was 48.9° at Campbell, and the lowest monthly mean was 34.6° at Memphis. The highest recorded was 89° at Crystal City, St. Charles, and Union on the 31st, and the lowest was 0° at Licking(near) on the 25th. The greatest daily range was 58° at Unionville on the 17th.

PRECIPITATION

The average for the State, 145 stations reporting, was 2.44 inches, or 0.80 inch less than normal. The greatest local monthly amount was 5.23 inches at Centerville, and the least local monthly amount was 0.97 inch at Grant City The greatest amount in any twenty-four hours was 2.00 inches at Appleton City on the 7th. The average number of days with 0.01 inch or more was 8.

The snowfall averaged 4.0 inches, or 1.0 inch more than normal. The greatest local monthly snowfall was 11.5 inches at Licking(near).

MISCELLANEOUS PHENOMENA

Auroras.—24th, 25th, 29th, 30th.

Duststorms.—19th, 27th, 28th.

Fog.—Dense, 4th, 5th, 12th, 13th, 16th, 18th.

Frosts.—Light, 15th, 16th, 17th, 21st; heavy, 16th, 19th, 20th; killing, 6th, 8th, 9th, 14th, 15th, 16th, 19th, 21st, 22d, 23d, 24th, 25th.

Glaze.—11th, 12th, 13th.

Hail.—Light, 2d at Springfield, St. Louis and St. Louis County, Fulton, Harrisonville, Marble Hill, Wappapello Dam; 7th at Wappapello Dam; 10th at Lebanon; 12th at Mexico, Bolivar, Versailles, St. Louis Airport; 17th Kansas City Airport; 18th at St. Joseph, Fulton, Linneus, Warrenton, Centerville, Jackson, Sikeston, New Madrid; 28th at St. Joseph, Amity, Bethany, Brunswick, Conception, Grant City, Maryville, Bolivar, Lebanon, Seymour, Licking(near), Rolla; 29th at Campbell, New Madrid. Moderate, 2d at Brunswick, Warrenton, St. Louis Airport, St. Louis University; 12th at Eldon;

(Continued on page 16)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.99*	30.55*	25	29.50*	28	9.1	21	s.	28	82*	61*	63*	39
Kan. C. Airport	29.97	30.49	25	29.35	28	12.8	50	sw.	28	76	58	57	47
St. Joseph	29.99*	30.50*	25	29.27*	28	10.3	35	w.	28	85*	64*	67*	37
St. Louis	30.00*	30.57*	25	29.52*	2	12.1	27	sw.	28	69	52	54	41
Springfield	29.97*	30.50*	25	29.57*	11	10.3	26	se.	1	83*	62*	66*	55
Cairo, Ill.	30.00	30.56	25	29.59	2	9.6	26	n.	7	76	57	55	58
Keokuk, Iowa	30.01	30.61	25	29.51	28	8.6	30	sw.	29	78	57	60	45

* Data for Airport Station.

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	38.5	90	1	3.90	4.13	4.37	3.19	....	10	..	..	..
1889	44.3	84	13	2.22	1.26	3.37	2.02	....	5	..	..	..
1890	37.3	79	−11	3.51	2.00	2.40	6.12	5.7	8	..	..	..
1891	36.6	78	−11	2.66	3.03	2.26	2.68	7.1	10	..	..	..
1892	38.9	87	5	2.98	3.31	3.46	2.18	....	8	8	10	13
1893	40.5	86	0	2.92	2.49	2.71	3.57	3.2	7	11	10	10
1894	47.7	89	2	3.22	2.29	2.95	4.43	0.2	6	15	9	7
1895	42.4	98	0	2.36	1.49	2.39	3.21	4.4	9	14	7	10
1896	39.2	82	2	2.22	1.15	2.04	8.47	5.2	8	11	9	11
1897	44.2	82	− 5	6.73	4.38	5.62	10.18	1.0	12	9	9	13
1898	44.7	83	9	7.44	5.26	6.42	10.63	0.6	11	11	7	13
1899	37.4	78	− 8	2.92	3.19	2.34	3.23	8.9	10	9	11	11
1900	40.4	88	− 4	1.52	1.43	1.35	1.79	0.2	6	15	9	7
1901	42.7	85	− 1	3.77	3.33	4.21	3.77	1.8	8	11	8	12
1902	45.3	85	1	3.71	2.50	4.64	3.99	0.8	9	10	10	11
1903	46.8	81	9	3.62	2.34	4.17	4.34	1.1	8	13	7	11
1904	44.8	87	8	4.55	3.54	3.13	6.98	1.2	9	11	9	11
1905	50.3	88	10	3.15	2.27	3.36	3.83	T.	8	11	8	12
1906	34.6	75	− 5	3.98	2.63	3.12	6.18	8.6	11	6	7	18
1907	53.9	95	16	2.76	2.54	3.05	2.70	1.0	7	14	7	10
1908	50.1	89	14	2.98	1.38	3.33	4.22	1.0	7	14	7	10
1909	44.5	81	9	3.03	2.24	2.01	4.83	0.6	6	13	9	9
1910	55.8	96	15	0.77	0.26	1.00	1.05	0.1	2	20	7	4
1911	46.8	91	5	1.72	1.71	1.84	1.62	1.4	6	16	8	7
1912	35.2	89	− 4	4.69	3.69	5.25	5.12	16.5	11	12	6	13
1913	40.6	84	−12	4.64	3.44	4.52	5.95	5.0	9	12	8	11
1914	43.2	87	− 2	2.76	2.80	2.89	2.59	4.7	8	13	7	11
1915	36.4	70	6	1.45	1.20	2.01	1.15	7.9	6	7	8	16
1916	47.0	95	− 2	2.55	2.48	3.20	1.98	3.1	7	14	8	9
1917	45.2	86	− 7	2.69	2.70	2.80	2.57	1.5	7	15	7	9
1918	50.9	95	8	1.02	0.46	1.55	1.06	0.1	4	18	6	7
1919	46.3	90	− 2	2.40	2.27	1.44	3.49	0.7	6	15	8	8
1920	44.6	86	− 6	5.12	4.60	5.37	5.40	1.4	8	15	6	10
1921	51.9	90	11	5.06	3.52	5.32	6.34	0.5	10	13	9	9
1922	45.6	80	3	6.39	4.89	6.78	7.51	2.2	12	11	6	14
1923	40.4	83	−11	4.23	3.53	3.64	5.52	2.3	8	14	6	11
1924	38.4	80	8	2.54	2.52	2.40	2.71	9.4	8	8	8	15
1925	47.7	86	− 5	1.94	1.77	1.98	2.07	0.8	5	17	8	6
1926	39.6	83	8	2.87	2.15	2.82	3.63	7.0	8	13	6	12
1927	45.9	80	0	5.93	4.08	6.88	6.83	3.7	11	12	8	11
1928	46.3	89	10	1.61	1.00	1.58	2.24	2.4	5	15	9	7
1929	48.6	97	11	3.33	2.99	3.13	3.88	T.	8	12	8	11
1930	43.2	80	6	1.38	1.19	0.91	2.04	1.4	4	18	6	7
1931	39.5	70	10	3.18	2.57	3.05	3.91	8.8	8	11	7	13
1932	38.3	81	− 2	1.99	1.39	1.62	2.96	2.8	7	12	9	10
1933	44.1	87	5	3.61	3.05	2.79	4.99	2.0	10	11	8	12
1934	41.2	82	− 3	2.55	1.53	2.10	4.03	4.9	7	13	8	10
1935	50.4	87	8	5.76	2.46	5.10	9.73	0.7	9	10	10	11
1936	49.4	84	13	1.27	0.82	1.00	1.98	T.	5	16	9	6
1937	40.4	77	6	1.66	1.27	2.15	1.56	2.8	6	12	8	11
1938	53.6	90	14	4.98	3.73	4.42	6.79	T.	12	13	7	11
1939	47.1	89	− 4	3.08	3.33	2.20	3.70	0.2	8	15	7	9
1940	43.1	89	0	2.44	2.07	2.43	2.83	4.0	8	9	9	13
....	....	..	....	....	....	....	....	....	..	..	..	..
Period	**44.0**	**98**	**−12**	**3.24**	**2.52**	**3.15**	**4.05**	**3.0**	**8**	**13**	**8**	**10**

Natural History Library

Climatological Data for March 1940

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	45	38.2	− 2.1	84	31	12	24	39	47	2.05	−0.18	1.36	2.5	5	8	8	15	ne.	A. S. Cumming
Brunswick	Chariton	652	59	40.0	− 1.9	80	28	17	24†	50	61	2.53	−0.17	0.70	3.0	9	8	4	19	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	2	37.4	......	87	30	13	25	46	10	1.77	−0.57	0.67	0.2	10	10	6	15	e.	Lockmaster
Chillicothe	Livingston	779	31	39.2	− 2.5	88	31	12	24	42	34	2.65	+0.17	1.89	1.0	5	8	8	15	ne.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	41	40.2	− 2.0	79	31	15	24	40	31	2.60	−0.14	1.30	1.2	8	7	11	13	ne.	Dr. A. J. Bradsher
Columbia	Boone	740	50	42.3	− 0.6	86	31	19	24	41	50	1.87	−1.07	0.94	0.5	11	4	10	17	e.	U. S. Weather Bureau
Conception	Nodaway	980	51	38.6	− 1.2	82	31	12	24	36	56	2.32	+0.67	1.33	4.0	8	4	12	15	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	20	41.2[e]	− 2.0	86	31	18	14†	45	29	1.45	−0.81	1.20	1.5	3	12	5	14	sw.	Fred L. Stiff
Elsberry	Lincoln	449	9	41.6	− 1.9	85	31	17	25	39	9	1.62	−1.14	1.43	0.3	6	7	10	14	n.	Ray E. Mills
Fayette	Howard	760	60	41.4	− 0.5	84	31	16	15	44	57	2.10	−0.72	0.73	1.7	8	9	10	12	ne.	Irvin E. Schnell
Fulton	Callaway	818	52	41.2	− 2.9	86	31	19	15†	43	48	2.01	−0.95	0.62	1.8	9	7	10	14	sw.	Clyde C. Herring
Grant City	Worth	1,134	36	39.2	− 2.1	79	30	12	24	38	48	0.97	−1.04	0.75	0.5	5	3	10	18	ne.	Howard Rybolt
Hannibal	Marion	759	48	38.4	− 2.6	80	31	14	25	34	56	2.18	−0.42	1.38	T.	8	7	4	20	ne.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	51	42.7	0.0	86	31	20	24	40	51	1.95	−0.58	1.23	0.6	7	3	11	17	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	2	43.4	......	86	31	17	14	48	2	1.99	......	0.92	0.8	5	11	10	10	nw.	University of Kansas City
Kidder	Caldwell	1,020	48	40.6	− 0.2	85	31	14	24	42	52	2.21	+0.02	0.90	1.5	9	8	7	16	ne.	Mrs. Geraldine Terry
King City	Gentry	1,095	..	....	......	..	..	..	..	..	14	2.46	+0.40	1.41	2.2	8	4	13	14	nw.	John M. Martin
Kirksville	Adair	969	51	38.0	− 1.7	80	31	13	23	39	58	3.26	+0.32	1.05	3.5	10	6	12	13	nw.	Howard Coons
Lawson	Ray	1,070	2	41.0	......	85	31	17	24	45	2	2.52	......	1.70	0.4	8	6	13	12	ne.	Elmer E. Lamb
Linneus	Linn	816	..	....	......	..	..	..	..	..	8	2.74	......	1.37	0.3	8	7	9	15	ne.	H. D. Taggart
Louisiana	Pike	469	46	40.4‖	− 3.1	83	31	14	25	38	59	2.05	−1.42	0.60	0.0	6	9	10	12	w.	Stark Bro's Nurseries
Macon	Macon	875	41	38.0	− 4.2	83	31	15	14†	42	47	2.13	−0.71	0.70	T.	5	10	7	14	n	Mrs. W. C. Brown
Maryville	Nodaway	1,169	50	38.0	+ 0.1	79	31	11	24	35	46	1.70	−0.17	0.88	3.5	10	9	0	22	ne.	R. B. Montgomery
Memphis	Scotland	787	1	34.6	......	75	17†	10	23†	50	10	1.95	−0.41	0.93	2.0	7	12	0	19	sw.	John W. Alexander
Mexico	Audrain	800	51	39.8	− 2.2	87	31	16	24†	48	62	1.40	−1.51	0.93	2.3	8	13	10	8	ne.	Mrs. Abbie Snoddy
Moberly	Randolph	875	3	40.2	......	85	31	15	16†	50	3	1.98	......	1.28	T.	3	13	8	10	w.	McCormick Hospital
Oregon	Holt	1,048	84	40.6	+ 1.0	87	31	15	14†	37	84	1.97	+0.01	1.28	2.5	9	10	10	11	ne.	Miss Mina Wright
St. Charles	St. Charles	520	52	42.6	− 1.9	89	31	18	25	43	62	2.19	−0.98	0.83	1.0	8	7	10	14	sw.	Martin L. Comann
St. Joseph	Buchanan	957	30	40.8	+ 0.3	85	31	18	24	38	68	2.24	−0.24	1.55	1.1	12	5	7	19	nw.	U. S. Weather Bureau
Steffenville	Lewis	650	42	39.5	− 2.7	81	31	14	23†	36	47	2.09	−0.92	0.65	1.5	12	7	15	9	e.	Frank Hall
Tarkio	Atchison	916	37	37.6	− 2.5	81	31	12	24	51	46	3.22	+1.55	1.25	9.5	8	8	7	16	ne.	Albert Volker
Trenton	Grundy	822	44	39.9	− 1.2	85	31	15	24	42	45	2.92	+0.47	1.39	1.4¶	10	8	10	13	n.	W. H. Estes
Unionville	Putnam	1,062	47	37.2	− 1.7	85	17†	10	23	58	47	1.59	−0.91	0.48	3.0	6	10	7	14	ne.	John H. Schick
Warrenton	Warren	816	58	42.2	− 0.3	86	31	9	25	38	50	2.21	−0.97	0.88	3.0	9	5	9	17	nw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	68	37.0	− 1.9	76	17	14	24	34	68	1.55	−0.83	0.81	T.	9	4	9	18	n.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**39.8**	**− 1.6**	**89**	**31**	**9**	**25**	**58**	..	**2.07**	**−0.45**	**1.97**	**1.7**	**8**	**8**	**8**	**15**	**ne.**	
Southwestern Division																					
Appleton City	St. Clair	813	45	44.3	− 0.8	85	31	18	25	47	48	3.54	+0.39	2.00	5.0	9	16	1	14	nw.	Rolla Brown
Bolivar	Polk	1,071	37	45.7	− .06	83	31	12	25	45	45	2.56	−0.87	0.64	6.0	9	9	8	14	sw.	Southwest Baptist College
Boonville	Cooper	650	2	40.4	......	84	31	18	24	39	63	1.63	−1.41	0.60	1.2	9	8	6	17	nw.	Boonville Water Dept.
Clinton	Henry	786	47	48.0	+ 3.0	86	31	20	14†	45	53	3.08	−0.28	1.71	8.5	10	2	16	13	w.	U. S. Weather Bureau
Dean ‡‡	McDonald	1,000	36	48.6	− 0.2	85	31	18	25	50	41	1.60	−2.10	0.80	T.	4	6	16	9	w.	E. S. Taylor
Eldon	Miller	934	45	41.2	− 2.4	84	31	19	24	48	41	2.50	−0.54	0.55	7.5¶	9	6	12	13	e.	E. H. Shepherd
Garber	Taney	950	6	45.6[l]	......	..	..	15	25	56	6	1.90	......	0.60	1.0	4	4[b]	17[b]	8[b]	e.	Mrs. W. H. Durham
Harrisonville	Cass	904	62	41.2	− 0.1	85	31	18	25	44	65	3.36	+0.56	1.20	4.0	5	9	3	19	ne.	John H. Patterson
Jefferson City	Cole	557	50	40.6	− 3.0	86	31	17	24	47	58	2.23	−0.83	0.73	5.0	10	11	8	12	e.	Mrs. Frank Kliegel
Lakeside	Miller	595	9	42.9	.....	85	31	20	15	46	9	3.25	......	1.55	...	11	..	..	..	ne.	W. S. Frame
Lamar	Barton	980	52	44.8	− 1.2	87	31	16	25	51	59	1.60	−1.59	0.65	2.0	6	11	10	10	sw	Jesse A. Mann
Lebanon	Laclede	1,265	52	44.2	− 0.8	84	31	9	25	41	53	3.29	−0.19	1.54	8.0	7	8	10	13	nw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	55	41.4	− 2.0	87	31	18	24	44	56	2,87	+0.09	1.00	5.3	8	9	13	9	n.	Miss Carrie Loomis
Lockwood	Dade	1,078	34	46.1	− 1.2	83	31	17	25	40	44	1.54	−2.02	0.52	4.0	4	12	11	8	sw.	Hubert A. Nieman
Marshall	Saline	779	53	42.6	− 0.4	85	31	17	24	41	50	1.90	−1.02	0.96	3.0	6	14	6	11	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	39	44.7	− 0.7	81	31	12	25	48	43	3.60	−0.27	0.89	9.5	11	7	17	7	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	28	45.8	− 0.1	84	31	10	25	51	40	1.46	−2.43	0.65	3.0	8	9	11	11	nw.	G. H. Boswell
Neosho	Newton	1,011	53	48.6	+ 0.5	85	31	20	25	50	57	1.43	−2.12	0.55	1.0	5	9	10	12	s.	U. S. Fisheries Station
Nevada	Vernon	862	47	46.8	+ 1.9	85	31	12	25	50	48	2.48	−0.39	0.96	11.0	6	17	3	10	nw.	Henry Kraft
Sedalia	Pettis	910	27	43.4	+ 0.6	84	31	19	24	40	29	2.71	−0.12	0.97	4.7	10	10	8	13	ne.	Dr. J. E. Cannaday
Seligman	Barry	1,542	39	48.2[b]	+ 1.6	82	31	17	25	43	37	1.49	−2.11	0.58	1.0	5	9[b]	12[b]	8[b]	sw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	34	44.2	− 1.2	81	31	3	25	43	34	4.35	+0.69	1.43	9.0	7	9	10	12	se.	A. L. Hailey
Springfield	Greene	1,301	52	43.8	− 1.4	83	31	15	25	45	52	2.44	−0.95	0.86	5.5	9	7	7	17	se.	U. S. Weather Bureau
Versailles	Morgan	1,037	13	43.4	− 1.6	84	31	17	15†	47	16	1.95	−0.41	0.55	6.5	8	8	13	10	nw.	Robert Otten
Warrensburg	Johnson	878	53	43.6	− 0.4	86	31	19	24	43	60	3.01	−0.08	1.30	6.0	8	7	8	16	ne.	E. A. Markey
Warsaw	Benton	687	39	44.6	− 2.4	85	31	18	15	51	45	2.30	−1.25	1.48	3.0	8	10	11	10	w.	Everett Martin
Division means	**and extremes**	.....	..	**44.4**	**− 0.6**	**87**	**31**	**3**	**25**	**56**	..	**2.43**	**−0.72**	**2.00**	**4.8**	**8**	**9**	**10**	**12**	**nw.**	
Southeastern Division																					
Advance	Stoddard	354	3	45.0	......	82	31	19	25	35	3	3.52	......	1.70	4.0	10	7	13	11	ne.	U. S. Weather Bureau
Arcadia	Iron	926	59	44.4	− 0.2	84	31	14	25	46	62	3.90	−0.15	1.46	4.1	10	15	4	12	w.	Arcadia College
Birch Tree(near)	Shannon	1,000	45	45.6	− 1.7	83	31	15	25	45	46	2.66	−1.32	0.97	10.0	6	12	11	8	se.	V. H. Kirkendall
Campbell	Dunklin	314	14	48.9	+ 0.9	82	31	17	25	32	14	2.26	−3.66	0.52	7.0	9	10	16	5	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	44	47.0	− 4.4	82	31	19	25	43	48	3.89	−0.57	1.20	7.0	10	14	4	13	n.	Sam Smith
Crystal City	Jefferson	420	6	43.8[d]	......	89	31	18	15	46	6	1.25	......	0.31	0.8	10	8[c]	5[c]	15[c]	w.	Pittsburgh Plate Glass Co.
Doniphan	Ripley	344	36	47.3	− 1.7	85	31	12	25	44	36	3.10	−1.29	0.76	6.8	7	18	8	5	ne.	Boyce Lackey
Farmington	St. Francois	896	29	45.2	− 1.3	86	31	17	25	39	43	2.09	−1.83	0.79	4.0	8	8	9	14	w.	F. M. Karsch
Goodland	Iron	1,000	47	43.4	− 1.6	85	31	10	25	51	47	3.15	−0.74	1.12	10.0	9	10	12	9	n.	F. M. Adams
Greenville	Wayne	381	31	46.7	− 1.0	84	31	13	25	43	33	2.87	−1.39	1.15	7.0	7	7	18	6	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	49	46.2	− 1.0	82	31	16	25	34	50	4.26	+0.09	1.43	6.0	6	16	8	7	n.	L. R. Crites
Koshkonong	Oregon	958	39	47.0	− 2.4	82	31	17	25	43	40	2.23	−1.87	0.81	4.0	10	13	10	8	se.	R. M. Hitt
Licking(near)	Texas	1,170	3	43.4	......	83	31	0	25	50	3	4.21	......	1.58	11.5	9	13	14	4	n.	U. S. Forestry Service
Marble Hill	Bollinger	470	45	46.6	− 1.0	85	31	17	15	40	47	3.09	−1.19	1.38	3.0¶	9	8	14	9	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	35	47.0	− 1.6	83	31	15	25	41	36	3.25	−1.11	0.88	7.5	10	12	12	7	w.	Mrs. J. H. Wolpers
Rolla	Phelps	1,202	40	42.6	− 2.9	85	31	17	25	44	56	2.23	−1.40	0.62	5.5	10	3	13	15	w.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	103	43.6	− 0.5	87	31	18	25	33	103	1.50	−1.88	0.48	1.4	10	5	7	19	nw.	**Section Center**
St. Louis Airport	St. Louis	556	3	42.4	......	84	31	18	25	35	9	2.27	......	0.79	0.4	12	3	7	21	......	U. S. Weather Bureau
St. Louis University	St. Louis City	578	28	43.4	− 0.8	86	31	19	25	33	28	1.34	−2.00	0.48	1.5	9	15	8	8	nw.	St. Louis University
Salem	Dent	1,173	36	43.8	− 2.6	85	31	12	25	44	39	3.88	+0.01	1.08	10.5	10	8	8	15	s.	E. E. Martin
Sikeston	Scott	318	33	45.6	− 3.0	82	31	16	25	41	43	3.55	−0.91	1.03	6.5	11	7	21	3	ne.	Mrs. Hazel P. Young
Union	Franklin	520	2	45.0	......	89	31	17	25	44	23	1.32	−1.98	0.36	2.0	7	11	6	14	ne.	Robert Mueller
Wappapello Dam	Butler	475	1	45.7[a]	......	82	31	17	25	40	1	4.09	......	1.40	9.3	12	15	7	9	se.	J. E. Harns
West Plains	Howell	1,005	3	44.9	......	82	31	13	25	50	3	2.81	......	1.13	6.0	8	4	14	13	ne.	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	68	46.6	− 0.6	80	31	22	25	27	69	3.25	−0.50	1.45	2.6	11	4	10	17	ne.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**45.2**	**− 1.5**	**89**	**31**	**0**	**25**	**51**	..	**2.83**	**−1.22**	**1.92**	**5.5**	**9**	**10**	**10**	**11**	**ne.**	
State means	**and extremes**	.....	..	**43.1**	**− 0.9**	**89**	**31**	**0**	**25**	**58**	..	**2.44**	**−0.80**	**2.00**	**4.0**	**8**	**9**	**9**	**13**	**ne.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Dean is Anderson, of Hailey is Cato.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for March 1940

Stations	Drainage-basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Amity[2]	Grand	....	1.97	.98	....	....	....	.17	.13	....	T.	T.	.19	.05	T.	....	....	....	.03	....	.01	....	....	T.	.01	....	....	T.	....	.02	....	....	3.56
Bethany	....do	....	1.36	.17	....	....	....	.15	....	....	....	....	T.	T.	....	....	....	....	.27	T.	....	....	T.	....	.10	....	....	....	T.	....	....	....	2.05
Bowling Green[2]	Mississippi	....	.22	.18	....	....	....	....	....	....	....	•	.32	.18	....	....	....	....	.04	....	....	....	....	....	....	....	....	.07	....	.11	....	....	1.12
Brunswick[2]	Grand	....	.60	.70	....	....	....	.05	.12	....	....	....	.58	.40	T.	....	....	....	....	....	.02	....	....	T.	.04	....	....	T.	....	.02	....	....	2.53
Canton, Lock No. 20[2]	Mississippi	....	.67	.45	T.	....	....	....	....	....	.03	....	.08	.34	.01	....	....	....	.09	....	T.	T.	T.	.01	....	....	....	.03	....	.06	....	....	1.77
Centralia[2]	....do.	....	.36	.08	....	....	....	.01	....	....	....	....	.84	.04	....	....	....	....	....	....	....	....	....	....	.10	....	....	....	.05	....	....	....	1.48
Chillicothe[2]	Grand	....	.31	1.89	....	....	....	T.	.08	....	....	T.	.33	T.	T.	....	....	....	....	....	....	....	....	....	.04	....	....	....	....	....	....	....	2.65
Clifton Hill	Chariton	.03	1.30	.15	....	....	....	.02	....	....	....	....	.80	.03	.17	....	....	....	....	....	....	....	T.	....	.10	....	....	....	....	....	....	....	2.60
Columbia [1]‡	Missouri	.02	.92	.02	....	....	.01	.12	....	....	....	.02	.49	T.	T.	....	....	....	T.	.02	T	T.	T.	T.	.02	....	....	.07	.16	....	....	....	1.87
Conception	....do	T.	1.33	.03	....	....	.12	.50	....	T.	....	T.	T.	.10	....	....	....	....	T.	T.	.04	T.	T.	....	.06	....	....	....	.14	....	....	....	2.32
Edgerton	Missouri	....	1.20	T.	....	....	....	.13	....	....	....	T.	.12	T.	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	1.45
Edina[2]	Mississippi	....	.70	1.00	....	....	....	.12	....	....	T.	....	.12	.16	T.	....	....	....	.22	....	T.	....	....	T.	....	....	....	....	T.	....	....	....	2.32
Elsberry	....do	....	1.43	....	....	....	....	....	....	....	....	....	.04	....	.04	....	....	....	.05	....	....	....	....	.03	....	....	....	.03	T.	....	....	....	1.62
Farber[2]	....do	....	.28	.32	....	....	....	....	....	.18	....	.36	....	....	....	....	....	....	.02	....	....	....	....	....	....	....	....	.11	....	....	....	....	1.27
Fayette	Missouri	T.	.67	T.	....	....	....	.06	....	....	....	.01	.73	.08	T.	....	....	....	....	T.	....	....	T.	....	.07	....	....	.03	.45	....	....	....	2.10
Fulton[2]	....do	....	.10	.62	....	....	....	.13	T.	....	....	T.	.40	.08	T.	....	....	....	.36	....	....	....	....	T.	.06	....	....	.03	....	.23	....	....	2.01
Gallatin[2]	Grand	....	1.10	1.47	....	....	....	.15	.07	....	....	....	.15	....	....	....	....	....	.24	.10	....	....	....	....	T.	....	....	....	....	....	....	....	3.28
Gorin	Mississippi	....	.39	.51	....	....	T	....	....	.12	....	....	.23	.16	T.	....	....	....	.22	T.	....	....	T.	T.	....	....	....	T.	....	....	....	....	1.63
Grant City	Grand	....	.75	....	....	....	T.	T.	....	....	....	T.	T.	.04	....	....	....	....	T.	.03	....	....	T.	T.	.05	....	....	....	.10	....	....	....	0.97
Hannibal[3]	Mississippi	T.	1.38	T.	....	....	....	....	....	.02	T.	.07	.49	.01	T.	....	....	....	.04	....	....	....	T.	....	....	....	....	.12	.05	....	....	....	2.18
Hermann[2]	Missouri	....	.10	.40	....	....	....	.03	.07	....	....	....	.35	.27	T	T.	....	....	....	....	....	....	....	T.	.06	T.	....	....	....	.17	....	....	1.45
Kahoka[2]	Mississippi	....	.47	....	....	....	....	....	....	....	.20	....	.10	T.	.14	....	....	....	.18	....	....	....	T.	....	....	....	....	....	....	....	....	....	1.09
Kansas City Airport [1]‡	Missouri	.03	1.23	.01	T.	T.	T.	.16	....	....	T.	.08	.43	T.	....	....	....	T.	....	T.	....	T.	T.	T.	T.	....	....	....	.01	....	....	....	1.95
Kansas City University	....do	....	.92	.12	....	....	....	.38	....	....	....	.06	.51	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	1.99
Kidder[2]	Grand	....	.90	.80	....	....	....	.06	.06	....	....	....	.17	.07	.02	....	....	....	.12	....	T.	....	....	....	.01	....	....	....	....	....	....	....	2.21
King City	Missouri	....	1.41	....	....	....	T.	.40	....	....	....	....	.40	.04	T.	....	....	....	.12	....	.03	....	.01	....	....	....	....	....	.05	....	....	....	2.46
Kirksville	Mississippi	....	1.05	.70	....	....	.04	.15	....	T.	....	....	.27	.21	....	....	....	....	.55	....	....	....	T.	.05	.10	....	....	....	....	.14	....	....	3.26
LaBelle[2]	....do	....	.39	.23	....	....	....	.31	....	....	....	....	.17	.34	....	....	....	....	.21	....	....	....	....	....	....	....	....	....	....	....	....	....	1.65
Lawson	Missouri	T.	1.70	.28	....	....	....	.17	....	....	....	.01	.30	.02	....	....	....	....	.01	T.	....	....	T.	....	.03	....	....	....	....	....	....	....	2.52
Linneus[2]	Grand	....	.68	1.37	....	....	....	.05	T.	....	T.	....	.27	.22	T.	T.	....	....	.11	T.	T.	....	....	....	.02	....	....	....	....	.02	....	....	2.74
Louisiana	Mississippi	....	.35	.40	....	....	....	....	....	....	....	....	.60	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.18	.18	.34	....	....	2.05
Lucerne[2]	Grand	....	.51	.28	....	....	....	.21	....	....	.06	....	.09	.07	....	....	....	....	.22	....	....	....	....	T.	T.	....	....	....	....	T	....	....	1.44
Macon[2]	Chariton	....	.66	.70	....	....	....	T.	....	....	.02	....	.61	.14	T.	T.	....	....	T.	....	....	....	T.	....	T.	....	....	T.	T.	....	....	....	2.13
Madison[2]	Mississippi	....	.42	.51	....	....	....	....	....	....	....	....	.48	.07	T	....	....	....	T.	....	....	....	....	....	T.	....	....	T	....	.52	....	....	2.00
Maryville	Missouri	T.	.88	.05	....	....	.18	.23	....	T.	....	T	.14	.15	....	....	....	....	T.	.02	....	T.	T.	....	.02	....	....	....	.02	.01	....	....	1.70
Memphis[2]	Mississippi	....	.33	.93	....	....	....	.05	....	....	.06	....	.02	.18	T.	....	....	....	.38	....	....	....	....	T.	....	....	....	....	T.	T.	....	....	1.95
Mexico[2]	....do	....	.55	.38	....	....	....	.03	....	....	....	....	.10	.10	....	T.	....	....	.02	....	....	....	....	....	.20	....	....	....	....	.02	....	....	1.40
Milan[2]	Grand	....	.58	.67	....	....	....	.07	.02	....	.03	....	.07	.04	.06	....	....	....	.17	....	....	....	....	T.	.04	....	....	....	....	.35	....	....	2.10
Moberly	Mississippi	....	1.28	....	....	....	....	....	....	....	....	....	.65	T.	....	....	....	....	.05	....	....	....	....	....	T.	....	....	....	....	....	....	....	1.98
Monroe City	....do	....	1.05	....	....	....	T.	....	....	....	....	....	.63	....	T.	....	....	....	.08	....	....	....	....	....	....	....	....	.12	....	.51	....	....	2.39
Oregon	Missouri	....	1.28	....	....	....	T.	.25	....	....	....	T.	.10	.12	....	....	....	....	.07	.07	....	....	.03	....	.02	....	....	....	.03	....	T.	....	1.97
Palmyra[2]	Mississippi	....	.40	.38	T.	....	....	....	....	....	....	....	.18	.36	....	....	....	....	.27	....	....	....	....	....	....	....	....	.12	....	.45	....	....	2.16
Paris[2]	....do	....	.53	.26	....	....	....	T.	....	....	.01	....	.51	.06	....	....	....	....	T.	....	....	....	....	....	T.	....	....	T.	....	.62	....	....	1.99
Perry[2]	....do	....	.40	.35	....	....	....	....	....	....	....	....	.15	.45	.05	....	....	....	.08	....	....	....	....	....	....	....	....	.05	....	....	....	....	1.53
Philadelphia[2]	....do	....	1.06	.12	....	....	.10	....	....	....	....	....	....	.74	....	....	....	....	.84	....	....	....	....	....	....	....	....	....	....	.20	....	....	3.06
St. Charles[2]	Missouri	....	.30	.35	....	....	....	....	....	....	....	....	.83	....	T.	....	....	....	.15	....	....	....	....	.05	.05	T.	....	....	.19	.27	....	....	2.19
St. Joseph[1]‡	....do	.35	1.20	.01	T.	....	.10	.10	....	....	....	.01	.27	T.	T.	....	....	T.	.10	.02	....	T.	.02	T.	.01	....	....	....	.05	....	....	....	2.24
Saverton, Lock No. 22[2]	Mississippi	....	.53	.93	....	....	....	T.	....	....	.02	T.	.06	.27	T.	T.	....	....	.02	....	....	T.	....	T.	....	....	....	.03	....	.13	....	....	1.99
Shelbina	....do	....	.68	....	....	....	....	....	....	....	....	....	.80	....	....	....	....	....	.12	....	....	....	....	....	....	....	....	.10	....	.40	....	....	2.10
Shelbyville[2]	....do	....	.23	.53	....	....	....	....	....	....	....	....	.54	....	....	....	....	....	....	.40	....	....	....	....	....	....	....	....	....	.08	....	....	1.78
Steffenville	....do	....	.65	.48	....	....	.10	.03	....	T.	.03	....	.46	.05	.03	....	....	....	.13	....	....	....	.04	....	....	....	....	.04	....	.05	....	....	2.09
Tarkio	Missouri	....	1.25	....	....	....	.50	.41	....	....	....	....	.66	.10	....	....	....	....	....	.18	....	....	....	....	.05	....	....	....	.07	....	....	....	3.22
Trenton	Grand	....	1.39	.68	....	....	....	.12	....	....	....	.08	.25	.09	....	....	....	....	.21	.04	....	....	T.	....	.03	....	....	....	.03	....	....	....	2.92
Troy[2]	Mississippi	....	.38	.65	....	....	....	....	....	....	....	....	.72	.30	T.	....	....	....	.02	....	.01	....	....	T.	T.	....	....	....	.01	.05	....	....	2.14
Unionville[2]	Chariton	....	.47	.48	....	....	....	.25	....	....	T.	....	T.	T.	....	....	....	....	.22	....	T.	....	....	.08	....	....	....	....	....	.09	....	....	1.59
Warrenton	Mississippi	....	.88	....	....	....	....	.04	....	....	....	T	.69	.18	.02	....	....	....	.20	.02	....	....	....	T.	.08	....	....	....	....	.10	....	....	2.21
Keokuk, Iowa[1]‡	....do	T.	.81	.03	T.	T.	T.	T.	....	.03	T.	.04	.29	.15	T.	....	....	....	.12	.03	T.	T.	T.	T.	....	....	....	.05	T.	....	....	....	1.55
Southwestern Division																																	
Altona[2]	Osage	....	.50	.20	....	....	....	1.20	.60	....	....	T.	.53	T.	....	....	....	....	....	.02	....	T.	....	....	.10	....	....	T.	....	....	....	....	3.15
Appleton City	....do	.01	.43	.10	....	....	....	2.00	....	....	....	.20	.22	T.	....	....	....	....	.15	.02	....	T.	....	....	.41	....	....	....	....	....	....	....	3.54
Bolivar	....do	....	.08	.01	....	....	....	.64	.01	....	....	.53	.39	.18	....	....	....	....	....	....	T.	T.	....	T.	.40	....	....	....	....	.29	....	....	2.56
Boonville[2]	Missouri	....	.22	.30	....	....	....	.07	.04	....	....	....	.60	.08	....	....	....	....	....	....	.03	....	....	....	.01	....	....	....	....	.28	....	....	1.63
Buffalo[2]	Osage	....	....	.18	....	....	....	.70	.21	....	....	.92	.38	.02	....	....	....	....	....	....	....	....	....	....	.61	....	....	....	....	.41	....	....	3.43
Caplinger Mills	....do	....	.22	T.	....	....	T	1.09	....	....	....	.50	.16	....	....	....	....	....	....	....	....	T.	....	.80	....	....	....	....	.08	....	....	....	2.85
Carthage	Neosho	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.03	.68	....	....	....	....	....	....	....	‖‖‖
Clinton[4]	Osage	.17	.53	.04	....	....	.23	1.48	....	....	T.	.20	.25	T.	....	....	....	....	....	T	....	T.	....	.08	.03	....	....	....	.07	....	....	....	3.08
Concordia[2]	Missouri	....	.18	.57	....	....	....	.80	.22	....	....	.06	.82	.14	T.	....	....	....	....	....	....	....	T.	....	.02	....	....	....	....	.01	....	....	2.82
Dean	Neosho	....	T.	....	....	....	....	.37	....	....	....	.08	T.	....	....	....	....	....	T.	....	....	....	....	T.	.35	....	....	....	.80	....	....	....	1.60
Eldon[2]	Missouri	....	.15	.55	....	....	....	.38	.32	....	....	.34	.40	.12	....	....	....	....	....	....	....	....	....	T.	.09	....	....	....	....	.15	....	....	2.50
Galena[2]	White	....	....	T.	....	....	....	.04	.32	....	....	.12	.09	....	....	....	....	....	T.	....	....	....	....	....	.10	....	....	....	....	.36	....	....	1.03
Garber	....do	....	....	....	....	....	....	.14	....	....	....	.60	.59	....	....	....	....	....	....	....	....	....	....	....	.57	....	....	....	....	....	....	....	1.90
Hailey	....do	....	T.	T.	....	....	....	.34	.01	....	.08	.11	.23	....	....	....	....	....	....	....	....	....	....	.31	.34	....	....	....	.28	....	....	....	1.70
Harrisonville[2]	Osage	....	.75	.15	....	....	....	1.20	.16	....	....	T.	1.10	....	T	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3.36
Jefferson City[2]	Missouri	....	.20	.50	....	....	....	.24	.17	....	....	.02	.73	.13	....	T.	....	....	....	.02	....	....	....	T.	.10	T.	....	....	....	.12	....	....	2.23
Joplin[3]	Neosho	....	.14	....	....	....	.45	.35	....	....	....	.12	T.	....	....	....	....	....	.08	....	....	....	....	.15	....	....	....	....	T.	....	....	....	1.29
Lakeside[2]	Osage	....	.19	.42	....	....	....	1.35	.20	....	....	.35	.50	.02	T.	....	....	....	.01	.01	T.	....	T.	....	.05	T.	....	....	....	.15	....	....	3.25
Lamar[2]	Neosho	....	.30	T.	....	....	....	.30	.15	....	....	.15	.05	....	....	....	....	....	....	....	....	....	....	....	.65	....	....	....	....	....	....	....	1.60
Lebanon	Osage	....	....	.11	....	....	....	.95	.06	....	....	1.54	.06	....	....	....	....	....	....	....	....	....	....	....	.40	....	....	....	....	.17	....	....	3.29
Lexington[2]	Missouri	....	.60	1.00	....	....	....	.30	.20	....	....	.02	.60	.09	T.	....	....	....	....	....	....	....	....	....	.06	....	....	....	....	....	....	....	2.87
Lockwood	Osage	T.	.05	....	....	....	....	.49	....	....	....	.48	....	....	....	....	....	....	T.	....	....	....	....	....	.52	....	....	....	....	....	....	....	1.54
Marshall	Missouri	.30	.15	....	....	....	....	.25	....	....	....	T.	.96	.14	....	....	....	....	....	....	....	....	....	....	.10	....	....	....	....	....	....	....	1.90
Mountain Grove	White	....	.17	....	....	....	....	.87	.07	....	.04	.89	.08	.05	....	....	....	....	.03	....	....	....	....	....	.77	....	....	....	.02	.61	....	....	3.60
Mount Vernon	Neosho	....	.15	T.	....	....	....	.15	....	....	....	.65	.01	....	....	....	....	....	.12	....	....	....	....	•	.37	....	....	....	.01	....	....	....	1.46
Neosho	....do	T.	....	.01	....	....	....	.43	T.	....	....	.55	....	....	....	....	....	....	T.	....	....	....	....	T.	.42	....	....	....	.02	....	....	....	1.43
Nevada	Osage	....	.28	T.	....	....	....	.96	....	....	....	.05	.22	.05	....	....	....	....	....	....	....	T.	....	T.	.92	....	....	....	....	....	....	....	2.48
Osceola[2]	....do	....	.55	.27	....	....	....	.80	.30	....	....	.28	....	....	....	....	....	....	....	....	....	....	....	....	.40	....	....	....	....	.10	....	....	2.70
Ozark Beach[2]	White	....	....	....	....	....	....	....	.33	....	....	.34	.55	....	....	....	....	....	....	....	....	....	....	....	.55	....	....	....	....	.28	....	....	2.05
Pleasant Hill[2]	Osage	....	.58	.45	....	....	....	•	1.03	....	....	.05	•	.95	T.	....	....	....	....	....	T.	....	T.	T.	T.	....	....	....	....	T.	....	....	3.06
St. Thomas (near)[2]	....do.	....	.14	.45	....	....	....	.31	.21	....	....	.09	.85	T.	T.	....	....	....	....	....	....	....	....	....	.06	....	....	....	....	.31	....	....	2.42
Sedalia	Missouri	.01	.36	.43	....	....	....	.97	.05	....	....	.02	.63	.01	T.	....	....	....	....	....	....	....	T.	....	.04	....	....	....	T.	.19	....	....	2.71
Seligman	Neosho	T.	T.	....	....	....	....	.32	....	....	....	.51	.05	....	....	....	....	....	T.	....	....	....	....	....	.03	....	....	....	.58	....	....	....	1.49
Seymour(near)	White	....	.38	....	....	....	....	1.43	....	....	....	.98	.03	....	....	....	....	....	.01	....	....	....	....	....	.47	....	....	....	....	1.05	....	....	4.35
Springfield [1]‡	....do	T.	.26	T.	....	....	.03	.45	....	....	.11	.70	.02	T.	....	....	....	....	.01	T.	T.	....	....	.83	.03	....	....	....	T.	....	....	....	2.44
Stover[2]	Missouri	....	....	.30	....	....	....	.68	....	....	....	.21	....	.24	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.43
Versailles	Osage	.02	.38	.12	....	....	....	.55	....	....	....	.21	.20	T.	....	....	....	....	T.	....	....	....	....	....	.04	....	....	T.	....	.43	....	....	1.95
Warrensburg	Missouri	T.	.46	....	....	....	....	1.30	.06	....	....	.03	1.02	.08	....	....	....	....	....	T.	....	....	T.	....	.02	....	....	....	.04	T.	....	....	3.01
Warsaw	Osage	T.	.29	.04	....	....	....	1.48	.01	....	....	.24	.17	T.	....	....	....	....	T	T.	....	.01	....	....	.06	....	....	....	....	T.	....	....	2.30
Waverly[2]	Missouri	....	.31	.90	T.	....	....	.15	.23	....	....	T.	.70	.18	....	....	....	....	.20	....	....	....	....	....	.05	....	....	....	....	....	....	....	2.72

Continued on next page

Daily Precipitation for March 1940—Continued from preceding page

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Southeastern Division																																	
Advance[4]	St. Francis							.19			.59	1.26	.07	.20					.64					.02	.18		T.	T.	.14	.23			3.52
Annapolis	do							.54			.05	1.77	.16						.75						.42				.02	.40			4.11
Arcadia[2]	do			.06				.45	.10			1.46	.36	.27	T.	T.			.21	.04					.56				T.	.39			3.90
Belleview	Meramec		.05					.44			*	*	1.48	T.					.32						*				.72				3.01
Birch Tree(near)	Black							.62			.17	.97	.12						.23						.55								2.66
Bragg City[2]	St. Francis							T.	.32			T.	.83	1.02					*	.38	T.				.45					.27	.17		3.39
Campbell	do							.33				.50	.06	.46					.07			T.			.52				.03	.27	.02		2.26
Cape Girardeau[2]	Mississippi								T.			.78	.62	.26					T.	.33					.22	.02			.02	.20			2.45
Caruthersville[2]	do							.03	.18				.60	1.20					.05	.61					.50				.05	.42	.25		3.89
Centerville[2]	Black							*	.65			1.92	.44	.03	T.				.30	.96	T.				.37	T.			T.	.56			5.23
Crystal City[2]	Mississippi		.06		.09			.08	.01			.08	.30	.20	T.				.07				T.		.02					.31			1.25
Cuba[2]	Meramec							.50					.51												.15					.59			1.75
Dexter[2]	St. Francis								.23			.73	.51	.05						.05		T.			.53	.02				.50			2.62
Doniphan	Black							.75	T.		T.	.72	.03	.49					.06						.76					.29			3.10
Farmington	St. Francis		.03					.17			.07	.79	.19						.31				T.		.14					.39			2.09
Fisk[2]	do							T.	.56			.86	.17	.32					T.						.93	.04			.07	.34			3.29
Fredericktown[2]	do								.22			1.32	.31	.25					.14	.52					.22					.56			3.54
Goodland	Black		.05					.60			.22	1.12	.07	.03					.22						.42					.42			3.15
Greenville	St. Francis	T.						.40			T.	1.15	.25	.20					.22						.45				T.	.20			2.87
Jackson	Mississippi							T.				1.43	.34	.62					.63						.60				T.	.64			4.26
Jerome[2]	Gasconade			.49				.15	.45			1.00	.45	.10											.20					.12			2.96
Koshkonong	Black							.48	.02		T.	.81	.04	.27					.01		T.	.02			.40				.05	.13			2.23
Leeper[2]	do							.15	.18			1.10	.25	.20					.23						.89	T.				.43			3.43
Licking (near)	Gasconade		.34	.05				.97	T.		T.	1.58	.03	.02					.12			T.			.43				T.	.70			4.24
Marble Hill	Mississippi		.15					.10			.20	1.18	.26	.38					.52						.20				.10				3.09
Meramec Park[2]	Meramec		.21	.24				.16	T.			.31	.21	.20						.10					.10					.56			2.09
Morehouse	Mississippi		.03					.28			T.	1.40	.08	.17					.20						.35				T.				2.51
New Madrid[2]	do			T.					.41			.19	.56	.83	T.					.31		.11	T.		.50	.06			.02	.43	.14	T.	3.56
Owensville[2]	Gasconade		.16	.27				.19	.48				.35	.12											.09					.41			2.07
Pacific[2]	Meramec		.07	.22				.07	.05				.30	.12					T.					T.	.15					.24			1.22
Parma[2]	St. Francis			.75				.05	.25			.10	.49	.50											.58					.25	.22		3.19
Poplar Bluff[2]	Black							.15	.39			.88	.42	.32					T	.04		.02			.62	T.			.04	.37			3.25
Richwoods[2]	Meramec		.10					.20					.30	.15	T.				.23						.15					.60			1.73
Rolla[4]	do	T.	.32	.05				.37			.10	.52	.14	T.	T.				.03			T.	T.	.02	.06				.62				2.23
St. Louis[1]‡	Mississippi	T.	.48	T.		T.				T.		.02	.40	.08	T.				.08	T.		T.	.02	.04	.07			T.	.21	.10			1.50
St. Louis Airport[4]‡	Missouri	.01	.78	T.	T.	T.	T			T.	T.	.02	.70	.09	T.				.16	.01		T.	.01	.03	.03			.07	.36	T.			2.27
St. Louis University[3]‡	Mississippi		.48									T.	.27	.04	T.				.09		T.		.01	.04	.10				.24	.07			1.34
Salem	Meramec		.14	.09				.97			.10	1.08	.20	.05					.14						.55				T.	.56			3.88
Sikeston[2]	Mississippi			.38				T.	.18			1.03	.65	.27					.04	.27					.29	T.			.04	.36	.04		3.55
Union	Meramec		.22					.24				.05	.22	.11	T.									T.	.12					.36			1.32
Valley Park[2]	do		.09	.37	T.			T.					.20	.10	T.	T.				T.				T.	.12				T.	.42		T.	1.30
Van Buren	Black							.51			.04	.79	.31						.13						.56				.38				2.72
Wappapello Dam[2]	St. Francis		T.	.05				.04	.24			1.40	.85	.27					.14	.05					.61	.03			.02	.39			4.09
Washington Univ.[2]‡	Mississippi		.16	.23									.28	.18					.01					.02	.02				.01	.28			1.19
West Plains[4]	Black			T.				.44	T.		.14	1.00	.12	T.					T.	T.	T.			.40	.23			.06	.42				2.81
Williamsville[2]	do							.10	.33			1.30	.56	.22						.20					.48	T.				.23			3.42
Willow Sprgs. (near)[2]	White				.38				.20			.50	1.00												.60					.08			2.76
Zalma(near)[2]	Mississippi			.03					.23			1.09	.66	.21						.40					.26			T	.31				3.19
Cairo, Ill.[1]‡	do		.01	T.		T.		.02			.50	1.11	.25	.03					.22			T.	T.	T.	.34		T.	T.	.14	.59	.04		3.25
								T.																									....
																																	....

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Clifton Hill, Columbia Airport, Conception, Dean, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Springfield Airport, Steffenville, Tarkio, Versailles, Wappapello Dam, Warsaw, and Washington University.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for March 1940

(See precipitation data in daily precipitation table)

Station	Data	Day of month																															Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia	Evaporation																																
	Mean temperature																																
	Wind movement																																
Lakeside (Osage Dam)	Evaporation								.050	.041	.074	.026	.019	.021	*	.195	.146	.154	.240	.071	.114	.093	.094	.088	.072	.067	.136	.092	.129	.227	.175	.224	3.291
	Mean temperature	44	47	37	35	45	46	32	34	38	38	35	36	31	30	43	50	56	49	46	40	43	32	31	28	33	42	54	66	60	60	66	42.9
	Wind movement	53	82	79	64	77	37	81	53	37	71	70	80	86	145	105	68	33	67	70	55	37	54	60	73	45	74	92	84	115	47	31	2,125
St. Louis (Washington University)	Evaporation	.051	.053	.051	.026	.025	.024	.039	.056	.092	.063	.067	.000	.023	.043	*	.104	.132	.184	.059	.115	.109	.099	.074	*	*	.196	.070	.033	.063	.166	.218	2.238
	Mean temperature	42	56	39	38	36	38	36	37	38	37	34	34	34	28	40	45	57	55	47	39	46	31	26	26	27	38	52	60	62	64	71	42.4
	Wind movement	40	68	41	55	53	19	63	91	43	61	116	97	60	65	51	43	24	69	61	46	41	90	80	87	93	35	70	49	78	20	36	1,845

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Columbia, Lakeside, and St. Louis (Washington University) descriptions see July 1938, April 1932, and August 1938 reports respectively. * Included in next measurement.

Daily Temperatures for March 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	46	39	40	36	51	50	36	42	46	42	40	38	29	32	61	64	78	56	65	47	47	37	31	35	40	60	67	80	72	78	77	49.8
	Minimum	28	35	34	33	30	30	32	29	28	31	32	31	27	20	20	20	28	39	32	31	31	22	20	17	17	23	33	50	45	42	42	30.1
Chillicothe §§	Maximum	48	36	41	36	54	46	36	39	47	43	32	32	27	31	62	64	63	58	51	46	46	35	30	35	38	54	65	76	71	79	88	48.8
	Minimum	29	34	33	32	29	29	32	28	30	29	29	27	22	18	20	28	33	31	29	30	30	21	18	12	20	23	33	51	44	42	51	29.6
Columbia	Maximum	50	49	39	37	52	50	39	41	47	42	38	36	31	31	61	64	78	61	59	47	50	38	31	34	39	48	71	72	71	77	86	50.9
	Minimum	39	36	35	33	30	36	32	28	28	35	32	33	27	21	20	33	51	36	32	34	28	22	21	19	20	32	45	56	46	47	57	33.7
Fayette	Maximum	60	49	38	38	52	52	42	41	48	44	39	35	34	32	60	63	78	68	56	48	48	42	33	34	40	47	69	74	70	76	84	51.5
	Minimum	36	37	34	31	30	32	30	26	28	32	30	31	25	19	16	27	42	38	28	31	33	19	19	18	20	30	39	52	45	43	52	31.1
Grant City	Maximum	41	36	41	51	60	64	50	55	60	40	33	30	31	30	53	62	74	66	55	45	42	29	21	32	33	43	67	78	68	79	78	50.1
	Minimum	31	32	32	31	28	31	30	27	30	26	27	26	17	14	15	21	38	34	31	24	28	18	13	12	22	30	34	49	38	43	44	28.4
Hannibal	Maximum	41	43	38	36	42	40	40	46	39	42	35	34	32	26	46	57	78	59	51	42	49	34	30	32	35	46	55	68	71	75	80	46.6
	Minimum	32	36	33	30	29	33	29	25	26	29	26	28	22	17	18	28	44	37	33	30	23	18	15	15	14	29	45	47	45	60	52	30.3
Kansas City Airport	Maximum	46	41	45	36	57	53	37	42	49	40	36	34	31	34	66	69	77	56	57	48	46	38	32	35	42	58	70	79	72	80	86	51.4
	Minimum	37	33	33	31	30	37	32	32	35	32	32	31	22	20	26	30	49	39	37	36	30	26	20	20	26	34	63	46	45	43	57	34.0
Kirksville	Maximum	48	37	37	37	47	39	36	45	40	40	35	31	28	27	55	58	75	68	51	48	40	31	27	30	35	43	58	70	68	76	80	46.5
	Minimum	30	33	33	30	27	32	30	25	27	26	25	28	21	15	16	28	42	35	34	27	34	19	13	14	15	30	40	42	41	44	50	29.4
Lawson	Maximum	52	40	41	39	56	49	38	39	46	41	36	32	30	31	65	64	76	66	56	48	44	36	32	32	39	51	66	78	71	78	85	50.2
	Minimum	33	33	32	28	28	34	30	28	32	29	28	30	20	19	20	27	47	36	34	31	33	21	19	17	23	32	43	55	43	46	52	31.7
Louisiana	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	45	60	78	63	55	48	44	35	35	33	35	48	70	65	70	80	83	....
	Minimum	37	35	35	35	30	33	31	27	23	30	28	30	30	20	20	30	42	35	27	30	35	20	18	18	14	30	87	46	48	42	55	31.3
Macon §§	Maximum	41	37	38	35	48	43	41	47	42	41	34	32	28	27	57	64	76	53	55	46	48	34	30	34	37	55	65	72	70	76	83	48.0
	Minimum	28	32	32	31	27	28	30	23	26	28	26	26	24	15	17	25	34	36	30	26	29	17	15	15	16	21	30	45	43	46	48	28.0
Maryville	Maximum	41	36	41	35	56	53	37	39	41	40	36	29	27	27	51	61	71	67	54	44	41	33	25	31	35	44	65	76	68	77	79	47.3
	Minimum	32	32	31	30	28	30	28	27	32	25	28	27	15	15	16	27	37	35	33	26	32	22	15	11	23	29	34	48	37	42	47	28.8
Mexico §§	Maximum	48	46	38	38	49	48	40	50	48	41	35	35	30	30	58	65	79	54	58	50	51	40	40	36	40	50	72	70	73	79	87	50.9
	Minimum	23	26	33	30	28	29	31	25	26	29	29	28	29	20	19	23	31	30	32	30	30	18	17	16	16	19	32	49	45	47	52	28.8
Moberly	Maximum	56	42	39	37	37	50	40	46	44	40	39	31	31	31	59	65	78	72	56	52	47	40	35	35	37	45	67	73	70	76	85	50.2
	Minimum	33	35	33	33	30	28	31	25	27	30	28	30	24	16	19	15	47	37	32	29	35	19	17	15	18	29	38	45	45	43	54	30.3
Oregon	Maximum	50	37	45	37	60	55	37	42	48	43	35	31	28	30	56	65	75	60	57	53	44	35	28	35	42	52	65	77	69	78	87	50.2
	Minimum	32	32	31	29	28	32	28	31	34	28	28	28	16	15	21	28	45	35	34	30	32	23	17	15	25	31	34	54	42	46	58	31.0
St. Charles §§	Maximum	53	71	39	41	44	46	41	51	47	42	37	34	37	31	57	65	80	55	60	49	56	41	39	39	37	55	75	68	75	79	89	52.7
	Minimum	31	38	38	37	30	32	34	27	26	32	30	30	31	25	22	30	38	38	30	34	35	22	20	19	18	24	32	53	51	48	56	32.6
St. Joseph	Maximum	43	37	44	35	59	46	36	41	48	42	34	32	26	31	62	65	76	54	56	46	45	31	30	35	40	54	65	76	69	77	85	49.1
	Minimum	34	33	32	31	29	32	31	31	34	30	30	26	19	18	21	31	47	37	38	33	29	25	19	18	26	34	40	43	44	49	58	32.4
Trenton	Maximum	48	40	38	36	54	45	39	40	40	44	36	32	30	31	60	62	77	60	54	44	47	40	30	31	38	50	64	75	73	78	85	49.1
	Minimum	32	34	35	32	29	31	30	28	32	28	28	28	20	17	18	28	38	37	32	28	36	21	17	15	21	30	38	48	43	45	52	30.7
Unionville §§	Maximum	43	38	44	42	57	43	42	45	43	44	32	32	28	27	58	61	85	55	55	45	45	27	28	33	35	44	66	78	75	85	78	48.8
	Minimum	23	30	32	30	27	27	28	23	23	24	25	25	23	15	15	16	27	35	30	25	26	18	10	13	15	16	30	36	40	43	45	25.6
Warrenton	Maximum	61	52	52	38	43	45	45	47	47	45	40	35	35	30	57	63	77	76	55	54	48	47	35	32	36	47	71	71	71	75	86	52.1
	Minimum	37	42	34	32	30	30	30	25	25	32	29	31	28	21	19	29	47	42	34	31	32	19	19	17	9	27	39	55	48	48	57	32.2
Keokuk, Iowa	Maximum	40	38	38	36	40	40	41	44	40	37	34	32	30	25	47	55	76	56	49	42	43	27	26	27	33	44	52	65	67	76	73	44.3
	Minimum	30	33	35	32	30	32	31	25	28	26	26	27	23	18	18	28	42	38	33	28	23	20	14	14	14	30	38	41	46	49	49	29.7
Southwestern Division																																	
Clinton	Maximum	52	50	40	37	54	64	40	41	57	44	37	40	34	36	66	72	73	59	62	43	55	43	33	35	41	56	72	80	72	79	86	53.3
	Minimum	41	33	33	30	32	32	31	24	30	33	33	33	24	20	21	31	47	38	31	34	31	24	23	20	22	31	48	51	40	43	54	32.8
Eldon §§	Maximum	52	52	39	37	55	60	34	40	48	45	34	38	32	35	65	69	75	53	57	45	35	42	36	34	41	63	75	73	72	75	84	51.5
	Minimum	29	41	33	32	32	32	30	23	25	30	32	31	30	22	21	21	30	45	31	33	32	22	22	19	20	21	31	48	44	44	51	30.9
Garber	Maximum	68	60	52	42	63	65	59	49	66	59	44	48	48	44	72	78	76	..	70	62	67	65	56	40	40	60	77	78	74	80	..	[b]60.8
	Minimum	..	..	..	..	..	..	..	30	23	29	38	42	28	22	16	27	34	..	24	34	30	27	36	23	15	28	35	54	37	39	..	[i]30.5
Harrisonville §§	Maximum	46	38	43	36	57	53	43	42	49	39	33	34	29	34	64	66	77	59	59	45	50	42	30	37	40	56	69	79	72	80	85	51.2
	Minimum	34	37	32	29	29	31	31	26	30	31	32	31	22	19	20	29	39	38	33	34	31	22	22	23	18	25	32	52	42	43	52	31.3
Jefferson City §§	Maximum	51	57	38	38	52	52	34	41	47	45	33	36	31	33	64	66	76	54	64	47	56	41	37	36	40	52	75	71	73	77	86	51.7
	Minimum	26	40	32	30	29	29	29	23	23	28	30	29	29	20	19	20	29	42	32	30	31	19	20	17	18	18	29	49	45	48	49	29.4
Lamar §§	Maximum	70	56	42	40	56	68	38	42	64	45	45	52	36	41	72	75	76	59	68	51	60	56	38	35	40	64	75	79	75	81	87	57.6
	Minimum	36	45	34	30	32	32	36	31	29	33	34	37	25	21	21	26	32	43	30	30	34	27	28	20	16	19	32	53	41	41	41	31.9
Lebanon	Maximum	61	64	48	48	55	62	53	37	53	46	39	51	49	36	58	72	75	67	65	53	58	46	41	31	39	52	73	72	71	75	84	55.9
	Minimum	41	46	32	30	30	30	29	25	27	30	32	34	25	19	20	31	50	40	30	33	30	22	26	18	9	26	45	55	41	43	56	32.4
Lexington §§	Maximum	45	38	41	37	56	55	35	40	49	41	34	34	31	35	64	67	77	59	56	49	48	39	35	37	43	58	67	81	72	78	87	51.2
	Minimum	34	36	33	31	30	30	31	28	31	31	31	30	23	20	22	23	36	38	38	34	34	22	20	18	22	26	35	55	45	45	50	31.7
Marshall	Maximum	64	58	39	37	52	52	48	38	47	45	39	35	34	32	61	65	77	69	56	53	49	45	49	43	37	48	69	76	74	76	85	53.3
	Minimum	32	36	31	31	30	32	31	25	30	30	30	32	24	20	20	29	49	38	36	33	35	22	20	17	20	20	41	51	45	45	50	31.8
Mountain Grove	Maximum	65	67	54	37	55	59	52	37	53	52	40	49	47	38	68	71	72	66	62	58	60	49	45	33	36	51	73	65	71	75	81	56.2
	Minimum	45	48	32	32	28	33	29	27	26	32	32	34	27	21	20	36	42	41	31	35	31	24	29	19	12	24	42	55	43	46	52	33.2
Neosho	Maximum	74	62	46	43	58	70	65	41	63	62	53	67	61	41	72	75	74	74	66	60	62	59	60	39	42	63	70	78	74	79	85	62.5
	Minimum	40	45	34	33	32	31	33	32	28	33	40	40	25	21	22	30	50	44	27	35	33	29	35	22	20	31	51	56	35	37	54	34.8
Nevada	Maximum	62	59	41	41	56	69	60	43	63	55	44	44	42	39	72	74	78	73	67	54	57	54	45	36	38	63	74	80	75	80	85	58.8
	Minimum	44	39	34	32	32	36	33	31	31	34	36	37	25	21	22	32	50	42	31	37	33	27	28	21	12	31	47	58	41	43	55	34.7
Sedalia	Maximum	65	45	40	39	49	58	50	38	46	45	39	37	36	33	62	67	76	73	59	49	52	44	34	33	40	52	70	76	75	76	84	53.0
	Minimum	39	40	34	31	31	35	32	24	31	33	33	33	26	21	22	30	49	39	34	34	33	23	23	19	22	32	44	54	43	45	55	33.7
Springfield	Maximum	68	63	39	39	53	63	44	39	57	42	40	55	38	36	68	72	73	54	62	48	58	55	37	28	35	58	73	74	70	76	83	54.8
	Minimum	45	35	33	31	30	34	30	28	29	32	37	38	26	21	23	31	42	36	28	35	32	26	24	16	15	27	45	51	44	43	51	22.8
Warrensburg	Maximum	63	46	40	40	53	61	48	41	48	43	38	37	35	35	65	68	77	68	58	50	50	43	37	36	42	53	71	79	71	79	86	53.6
	Minimum	38	38	33	30	30	33	32	25	31	33	32	32	24	21	22	31	49	38	35	35	34	22	22	19	23	32	44	57	42	46	55	33.5
Southeastern Division																																	
Arcadia §§	Maximum	65	74	39	39	54	55	35	46	49	50	36	44	41	38	63	68	75	56	64	47	61	44	38	36	36	54	74	64	72	76	84	54.1
	Minimum	28	37	37	36	32	24	28	26	24	27	30	31	34	23	21	23	41	52	26	31	32	24	26	19	14	21	28	48	42	44	46	30.8
Birch Tree (near)	Maximum	66	72	59	48	56	59	52	52	51	49	42	48	47	40	61	71	73	64	64	57	64	53	48	35	38	53	73	66	70	76	83	57.7
	Minimum	41	52	36	36	32	26	31	27	23	31	34	34	33	22	16	34	44	44	26	39	29	26	30	21	15	25	41	54	43	43	49	33.5
Caruthersville §§	Maximum	71	77	46	52	47	56	40	49	56	61	42	59	49	44	61	69	72	61	63	48	66	49	43	36	37	62	72	76	69	74	82	57.7
	Minimum	36	46	44	41	37	28	30	33	28	29	40	40	41	26	26	26	38	44	34	36	39	33	34	26	19	24	30	50	57	52	54	36.2
Crystal City §§	Maximum	63	76	..	..	47	50	40	49	47	..	37	42	39	35	60	70	79	57	66	47	62	42	35	35	37	52	76	71	73	..	89	[d]54.7
	Minimum	32	46	..	37	..	29	30	28	24	..	32	32	35	24	18	30	33	52	26	37	32	24	22	20	20	25	37	52	51	46	46	[c]32.9
Doniphan	Maximum	65	74	66	58	51	57	52	49	54	52	46	48	46	43	60	72	75	67	66	59	67	61	45	39	38	55	74	69	74	80	85	59.6
	Minimum	35	56	40	40	36	24	33	32	23	29	36	37	38	29	16	32	38	50	26	41	37	31	31	24	12	21	38	55	52	46	48	35.0
Farmington	Maximum	65	77	55	41	47	55	51	45	51	47	44	40	44	38	60	70	76	66	66	61	62	56	38	34	39	54	75	67	73	76	86	56.7
	Minimum	37	46	36	37	32	26	29	27	25	33	31	33	33	23	21	36	47	45	27	37	33	24	23	20	17	25	39	53	50	48	53	33.7
Jackson	Maximum	67	75	74	50	46	53	52	52	51	52	47	43	45	44	55	64	72	67	61	57	63	50	41	36	36	50	69	69	72	76	82	57.1
	Minimum	35	53	40	38	34	25	31	32	22	36	33	36	39	29	23	32	40	50	27	40	34	27	27	23	16	25	44	53	54	50	48	35.4
Poplar Bluff	Maximum	66	78	68	58	53	58	55	52	53	58	42	46	44	46	61	71	74	62	66	60	66	50	41	41	37	53	73	69	72	81	83	59.3
	Minimum	36	55	40	35	29	29	26	34	23	30	35	36	33	29	20	32	38	41	27	38	37	28	30	23	15	23	42	53	52	48	59	34.7
Rolla	Maximum	57	60	43	37	50	59	40	39	46	42	34	40	40	33	64	68	75	55	62	46	58	41	32	32	38	50	74	67	70	74	85	52.0
	Minimum	42	43	33	32	32	30	29	25	26	32	31	33	26	22	20	33	49	38	33	34	29	20	23	18	17	28	47	53	46	51	58	33.3
St. Louis	Maximum	56	71	48	40	41	48	40	45	46	44	38	39	39	30	57	61	78	60	61	49	54	39	32	32	37	48	72	67	71	74	87	51.7
	Minimum	41	48	37	33	31	33	33	29	33	35	31	32	28	24	24	34	47	44	37	34	32	23	19	19	18	30	46	53	54	58	62	35.5
Salem	Maximum	63	71	50	36	50	60	53	40	46	46	38	48	45	37	64	70	75	65	65	57	59	50	42	32	39	50	75	65	71	75	85	55.5
	Minimum	39	50	34	33	31	29	30	24	21	32	32	33	29	20	20	31	40	37	25	34	30	22	25	19	12	26	43	54	44	43	56	32.2
Sikeston §§	Maximum	66	75	55	51	46	56	36	50	55	54	40	49	55	44	57	66	74	60	63	54	63	46	38	36	34	58	71	68	70	77	82	56.4
	Minimum	39	44	41	38	34	28	32	30	32	26	34	34	37	27	24	28	39	51	31	38	36	28	28	22	16	23	30	52	52	50	51	34.7
Union	Maximum	67	75	55	40	50	51	50	51	49	48	42	39	41	34	62	68	78	78	67	57	61	52	39	38	41	54	76	75	74	78	89	57.4
	Minimum	34	46	37	35	32	28	31	27	24	35	32	33	31	24	18	29	36	45	24	36	31	21	23	19	17	30	45	52	50	44	46	32.7
West Plains	Maximum	63	72	53	49	53	58	46	44	54	52	39	49	48	40	68	73	73	58	65	52	65	52	40	34	35	54	72	78	69	75	82	56.9
	Minimum	34	53	34	38	28	23	32	27	22	28	35	35	29	24	18	32	35	46	25	38	35	29	32	23	13	22	36	56	44	42	51	32.9
Cairo, Ill.	Maximum	70	74	56	51	41	52	39	46	52	52	38	51	53	39	55	64	72	58	60	50	60	42	38	31	35	52	68	69	69	73	80	54.5
	Minimum	43	56	40	40	34	32	32	32	32	38	35	36	33	29	28	44	50	45	37	41	38	30	28	24	22	30	51	54	56	55	57	38.8

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[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 4-25-40—1150.

Continued from page 11

18th at St. Louis Airport; 24th at Neosho; 28th at Tarkio, Clinton, Eldon, Warrensburg. Heavy, 11th at Harrisonville; 18th at Marble Hill and over a large section of Bollinger County, with much damage to roofs, estimated at $3,000, mostly at Marble Hill; 28th in southeastern part of Linn County.

Halos.—Solar, 19th, 20th, 23d, 29th, 31st; lunar, 16th, 17th, 23d.

Sleet.—1st, 2d, 6th, 7th, 9th, 10th, 11th, 12th, 13th, 14th, 21st, 22d, 23d, 24th, 26th.

Thunderstorms.—Local, 1st, 7th, 10th, 11th, 17th, 23d, 24th, 27th, 29th; more or less general, 2d, 12th, 18th, 28th.

Windstorm.—High winds were general on the 28th, with some damage at Kansas City and in the southeastern part of Linn County. A rotary windstorm struck the vicinity of Marceline and Bucklin, in the southeastern portion of Linn County, between 6:45 and 7:30 p. m. on the 28th, slightly injuring two persons and damaging farm buildings and barns to the extent of about $10,000. The storm came from the southwest and moved to the northeast, with path less than a mile wide and about twenty-two miles in length.

ERRATA

June 1939, page 28: Mean temperature at Seymour should be 72.0; departure should + 0.3.

July 1939, page 34; Greatest daily range at Kirksville should be 27; page 37, mean minimum at Warrensburg should be 70.3.

August 1939, page 39: Greatest daily range at Conception should be 41; greatest precipitation in 24 hours at St. Louis Airport should be 2.41.

Annual 1939, page 66: Mean temperature for June at Seymour should be 72.0; departure should be + 0.3.

51.05
NMS
1.44
.4

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CLIMATOLOGICAL DATA

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

VOL. XLIV APRIL 1940 No. 4

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

Salient features of month were the unusually backward conditions in the advancement of vegetation and crops, severe freeze on the 12th and 13th, and the destructive storms which occurred on the 30th in southern and southeastern portions of the State.

Temperatures were below normal in all divisions, and severe frosts and hard freezes occurred on the 12th and 13th, with considerable damage to fruits, oats, garden and truck crops, particularly in the northern and central portions of State. The warmest period was the first three days of month, with temperatures averaging approximately twenty degrees higher than normal. The highest temperature occurred generally on the 1st, while the lowest was on the 12th at practically every station.

Precipitation average was more than normal for the first month since August 1939. However, the northern division showed a slight deficiency, 0.38 inch, for April. The distribution was very irregular, with the southeast division reporting the largest excess, 1.28 inches, while the southwestern division had an excess of 0.51 inch.

Frequency of the rains was fairly well distributed, and although some sections of the northern division suffered to some extent from lack of moisture, amounts were more than adequate for current needs elsewhere, and dry and warmer weather was needed for best results.

Crops were generally late and backward, but were making good progress the latter part of month, and at the close conditions were generally satisfactory.

Stormy conditions prevailed over the southern half of State on the 30th, with severe damage in a few counties in the southeast portion.—M. R. W.

TEMPERATURE

The monthly mean for the State, 85 stations reporting, was 54.0°, or 1.1° below normal. The highest monthly mean was 58.4° at Campbell, and the lowest monthly mean was 48.8° at Memphis. The highest recorded was 92° at Arcadia and Greenville on the 1st and at Sedalia on the 14th, and the lowest was 15° at Grant City and Maryville on the 12th. The greatest daily range was 57° at Brunswick on the 14th.

PRECIPITATION

The average for the State, 144 stations reporting, was 4.41 inches, or 0.47 inch more than normal. The greatest local monthly amount was 8.96 inches at Anderson (near), and the least local monthly amount was 1.28 inches at Bowling Green. The greatest amount in any twenty-four hours was 3.08 inches at Belleview on the 30th. The average number of days with 0.01 inch or more was 11.

The snowfall averaged 0.3 inch, or 0.3 inch less than normal. The greatest local monthly snowfall was 4.0 inches at Bowling Green.

MISCELLANEOUS PHENOMENA

Duststorms.—2d, 15th, 29th.

Eclipse.—Solar, 7th; visible only at a few places for short time.

Fog.—Dense, 24th.

Floods.—In St. Francis River at Fisk 19-25th; in Mississippi River at Cairo, Ill. and immediately below on 23d and continued into May.

(Continued on page 22)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.94*	30.56*	12	29.43*	15	9.6	22	n.	11	76*	53*	53*	57
Kan. C. Airport	29.94	30.63	12	29.41	15	12.6	36	w.	3	75	51	50	53
St. Joseph	29.95*	30.62*	12	29.39*	15	10.8	32	w.	3	79*	55*	56*	48
St. Louis	29.95*	30.50*	12	29.42*	15	13.1	34	sw.	29	70	51	52	50
Springfield	29.93*	30.59*	12	29.42*	15	10.9	32	nw.	30	77*	56*	61*	55
Cairo, Ill.	29.94	30.47	12	29.55	15	11.3	34	n.	11	72	54	53	53
Keokuk, Iowa	29.96	30.52	12	29.45	15	9.1	26	sw.	3	76	48	50	55

* Data for Airport Station.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	57.9	94	20	1.92	1.54	2.37	1.85	....	5	..	..	..
1889	55.7	90	27	2.66	2.84	3.31	1.83	....	8	..	..	..
1890	56.2	93	25	3.58	2.26	3.43	5.05	....	8	..	..	..
1891	56.8	93	15	3.46	3.88	4.08	2.41	T.	9	..	..	..
1892	53.1	90	24	5.83	5.14	5.35	7.01	0.0	11	9	8	13
1893	53.9	95	19	8.27	6.37	9.14	9.29	0.0	12	8	9	13
1894	56.1	95	20	3.11	2.24	3.52	3.58	T.	8	12	10	8
1895	57.9	100	24	2.04	1.87	2.08	2.17	T.	7	14	8	8
1896	61.9	92	17	3.57	3.10	4.35	3.25	0.0	9	11	12	7
1897	54.4	88	21	4.65	4.07	3.78	6.10	T.	10	10	11	9
1898	52.5	90	14	3.64	3.77	3.75	3.40	T.	10	12	9	9
1899	54.0	96	6	3.80	3.46	4.02	3.93	3.8	8	12	9	9
1900	56.7	89	21	3.50	3.05	3.66	3.78	0.7	9	11	10	9
1901	53.3	94	24	2.96	2.63	2.83	3.41	1.8	8	14	7	9
1902	53.9	95	19	2.82	1.98	3.30	3.18	T.	11	13	11	6
1903	55.9	91	26	3.37	3.97	3.34	2.79	1.2	9	11	10	9
1904	49.0	84	19	5.63	6.14	6.07	4.67	2.7	9	15	6	9
1905	54.9	92	20	3.09	3.66	2.28	3.34	0.3	6	14	8	8
1906	59.5	93	22	2.42	2.67	2.40	2.18	0.0	6	17	7	6
1907	48.7	89	16	3.33	2.62	3.83	3.55	T.	8	11	8	11
1908	56.6	90	18	5.89	2.55	6.58	8.53	T.	11	11	8	11
1909	54.8	93	19	4.72	4.36	3.60	6.21	T.	8	13	9	8
1910	54.8	97	21	3.58	2.74	3.55	4.45	0.9	11	12	7	11
1911	53.5	91	20	4.93	4.28	4.70	5.81	T.	10	12	8	10
1912	56.0	89	24	6.08	3.78	6.47	8.00	0.7	10	13	7	10
1913	56.2	94	25	3.32	3.36	3.10	3.50	T.	7	16	5	9
1914	55.2	91	18	3.14	2.57	3.11	3.75	T.	8	12	7	11
1915	61.9	96	18	2.12	1.93	2.64	1.79	T.	7	16	8	6
1916	53.5	93	21	3.32	2.77	3.93	3.27	1.9	10	11	8	11
1917	53.2	89	19	5.95	5.66	5.08	7.11	1.2	12	12	6	12
1918	50.8	93	19	5.33	3.61	5.26	7.11	0.9	11	12	6	12
1919	55.3	94	20	3.03	3.15	3.46	2.47	T.	9	12	7	11
1920	50.2	89	4	3.82	4.86	3.30	3.31	4.8	11	11	7	12
1921	56.0	91	19	5.36	4.70	5.22	6.16	1.1	10	13	7	10
1922	57.3	91	24	6.41	4.96	8.47	5.81	T.	11	13	6	11
1923	54.2	92	14	3.26	2.52	3.38	3.89	0.4	8	14	8	8
1924	56.6	95	11	2.15	1.26	2.78	2.40	T.	6	14	8	8
1925	61.0	92	24	4.12	4.12	4.73	3.52	0.0	10	12	9	9
1926	49.9	91	11	2.42	2.39	2.17	2.69	2.4	8	14	6	10
1927	57.7	94	18	8.68	6.73	8.61	10.70	T.	14	10	7	13
1928	51.6	88	16	4.86	2.76	5.46	6.37	0.2	8	13	7	10
1929	57.4	96	27	6.15	6.32	6.58	5.56	0.0	12	11	8	11
1930	59.1	96	23	2.02	1.89	2.77	1.39	0.0	8	14	8	8
1931	54.8	90	22	2.96	2.92	2.77	3.18	T.	9	14	6	10
1932	57.6	95	22	2.58	2.43	2.52	2.78	0.0	8	14	8	8
1933	54.9	88	22	3.84	2.08	3.82	5.62	0.7	10	11	9	10
1934	56.5	90	24	2.50	2.06	2.61	2.84	T.	7	16	8	6
1935	52.3	90	23	2.90	3.10	3.02	2.59	0.7	9	9	7	14
1936	53.0	95	9	2.45	2.00	1.93	3.41	0.5	8	16	7	7
1937	54.5	93	21	4.04	3.25	3.67	5.21	T.	10	10	8	12
1938	56.7	89	18	3.68	3.79	4.13	3.13	3.2	10	13	9	8
1939	53.4	88	16	5.01	4.35	4.32	6.36	0.1	10	11	8	11
1940	54.0	92	15	4.41	3.01	4.57	5.64	0.3	11	11	8	11
....	....	..	..	....	....	....	....	....	..	..	..	..
Period	**55.1**	**100**	**4**	**3.94**	**3.39**	**4.06**	**4.36**	**0.6**	**9**	**12**	**8**	**10**

Natural History Library

Climatological Data for April 1940

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	45	50.6	− 0.9	85	14	17	12	46	47	2.63	−0.66	0.68	0	9	14	9	7	se.	A. S. Cumming
Brunswick	Chariton	652	59	52.0	− 2.2	88	1	20	12†	57	61	2.69	−1.14	0.90	0	10	17	4	9	ne.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	2	50.0	......	81	2	21	12	33	10	4.11	+1.35	1.44	1.0	13	11	9	10	ue.	Lockmaster
Chillicothe	Livingston	779	31	52.0	0.0	87	1	19	12	51	34	2.69	−0.53	0.64	0	9	13	3	14	se.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	41	50.8	− 2.7	80	2	17	12	39	31	3.23	−0.13	1.51	1.0	12	5	12	13	ne.	Dr. A. J. Bradsher
Columbia	Boone	740	50	54.0	− 0.8	86	1	21	12	40	50	3.11	−0.66	1.24	0.6	11	7	16	7	n.	U. S. Weather Bureau
Conception	Nodaway	980	51	51.1	− 1.1	86	14	17	12	43	56	3.81	+1.08	1.36	0	9	9	8	13	se.	Fr. Adelhelm Hess
Edgerton	Platte	856	20	51.8^{a}	− 2.0	91	1	18	12	46	29	2.62	−0.46	0.72	0.2	8	13	1	16	e.	Fred L. Stiff
Elsberry	Lincoln	449	9	53.0	− 0.6	85	15	25	12	49	9	1.77	−1.28	0.62	T. ¶	9	7	14	9	se.	Ray E. Mills
Fayette	Howard	760	60	53.4	− 0.8	85	1	20	12	42	57	3.57	+0.02	1.49	2.0	11	14	6	10	nw.	Irvin E. Schnell
Fulton	Callaway	818	52	52.4	− 2.2	85	15	21	12	47	48	2.64	−1.37	0.60	1.0	10	12	8	10	n.	Clyde C. Herring
Grant City	Worth	1,134	36	51.1	− 1.1	87	14	15	12	49	48	3.12	+0.16	0.95	0	10	8	10	12	se.	Howard Rybolt
Hannibal	Marion	759	48	51.1	− 2.3	85	2	20	12	40	56	3.37	+0.18	1.13	2.2	16	10	4	16	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	51	54.0	− 0.8	91	1	23	12	36	51	4.21	+1.07	1.93	0.8	11	6	8	16	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	2	54.0	......	91	1	19	12	40	2	4.92	......	2.01	T.	12	8	14	8	n.	University of Kansas City
Kidder	Caldwell	1,020	48	51.5	− 0.7	87	1	17	12	42	52	2.17	−1.11	0.55	0.1	8	13	5	12	se.	Mrs. Geraldine Terry
Kirksville	Adair	969	51	51.4	− 0.5	85	2	18	12	42	58	4.99	+0.89	1.88	0	11	8	16	6	ne.	Howard Coons
Lawson	Ray	1,070	2	51.9	......	88	1	18	12	40	2	3.76	......	1.90	1.6	12	9	10	11	ne.	Elmer E. Lamb
Louisiana	Pike	469	46	52.0	− 2.0	85	1	23	12	38	59	2.82	−0.90	0.70	1.5	8	19	3	8	w.	Stark Bro's Nurseries
Macon	Macon	875	41	50.6	− 2.5	85	2	17	12	48	47	2.16	−1.50	0.55	T. ¶	11	12	5	13	n.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	50	50.4	− 0.4	84	14	15	12	43	46	3.52	+0.51	0.87	0	10	9	4	17	se.	R. B. Montgomery
Memphis	Scotland	787	1	48.8	......	86	2	17	12	54	10	3.29	+0.09	0.98	0	10	15	1	14	ne.	John W. Alexander
Mexico	Audrain	800	51	53.2	− 0.6	86	1	19	12	42	62	2.56	−1.19	0.65	2.0	11	14	8	8	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	3	52.8	......	85	1	19	12	47	3	2.76	......	1.30	T.	6	14	10	6	e.	McCormick Hospital
Oregon	Holt	1,048	84	52.7	0.0	91	1	18	12	41	84	2.78	−0.51	0.63	T.	10	14	6	10	ne.	Miss Mina Wright
St. Charles	St. Charles	520	52	54.4	− 1.2	86	15	25	12	47	62	2.27	−1.48	0.49	1.0¶	7	10	15	5	sw.	Martin L. Comann
St. Joseph	Buchanan	957	30	52.6	− 0.9	89	1	21	12	37	68	2.37	−0.82	0.51	0.1	12	8	7	15	e.	U. S Weather Bureau
Steffenville	Lewis	650	42	52.0	− 1.1	81	15	18	12	41	47	3.94	+0.36	1.78	T.	9	12	7	11	e.	Frank Hall
Tarkio	Atchison	916	37	49.6	− 2.6	87	14	18	12	48	46	3.78	+0.54	0 92	0	8	8	9	13	se	Albert Volker
Trenton	Grundy	822	44	52.2	− 0.5	84	14	20	12	47	45	2.72	−0.86	0.94	T. ¶	9	9	12	9	ne.	W. H. Estes
Unionville	Putnam	1,062	47	50.4	− 0.6	87	2	16	12	49	47	4.01	+0.31	1.13	0	11	16	5	9	ne.	John H. Schick
Warrenton	Warren	816	58	53.7	− 1.1	85	15	21	12	40	50	3.28	−0.76	0.82	2.0	11	5	12	13	ne.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	68	50.7	− 1.6	83	2	21	12	37	68	2.61	−0.38	0.76	T.	14	5	9	16	n.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**51.9**	**− 1.2**	**91**	**1**	**15**	**12**	**57**	..	**3.01**	**−0.38**	**2.01**	**0.5**	**10**	**11**	**8**	**11**	**ne.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	36	56.7	0.0	89	1	23	12	50	41	3.96	+4.27	1.95	T.	10	11	6	13	s.	E. S. Taylor
Appleton City	St. Clair	813	45	53.4	− 2.7	86	1	20	12	44	48	3.55	−0.58	0.81	0.5	12	12	4	14	ne.	Rolla Brown
Bolivar	Polk	1,071	37	55.2	− 1.1	88	1	22	12	39	45	4.21	+0.04	0.96	T. ¶	14	10	9	11	sw.	Southwest Baptist College
Boonville	Cooper	650	2	51.5	......	84	1	21	12	45	63	3.51	−0.36	1.25	T. ¶	10	12	7	11	nw.	Boonville Water Dept.
Carthage	Jasper	...	6	57.2^{1}	......	90	1	24	12	43	16	5.02	......	1.12	T.	11	7	14	9	se.	Carthage W. and E. Plant
Clinton	Henry	786	47	54.0	− 2.3	87	1	21	12	40	53	4.67	+0.50	1 31	1.0	13	4	12	14	ne.	U. S. Weather Bureau
Eldon	Miller	934	45	53.4	− 2.0	88	1	21	13	53	41	2.60	−1.56	0.67	0	9	11	10	9	nw	E. H. Shepherd
Harrisonville	Cass	904	62	52.0	− 1.9	89	1	19	12	49	65	4.29	+0.91	1.49	T ¶	9	5	8	17	ne.	John H. Patterson
Jefferson City	Cole	557	50	52.6	− 3.4	88	15	20	12	54	58	2.94	−1.04	0.65	2.0	11	10	9	11	nw.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	18	57.1	− 1.4	89	1	24	12	33	35	6.32	+1.62	1.38	....	11	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	9	54.7	......	89	1	24	12	42	9	2.66	......	0 87	....	10	..	..	..	se.	W. S. Frame
Lamar	Barton	980	52	54 5	− 2.1	90	1	22	12	52	59	4.76	+0.24	0.95	T. ¶	11	12	9	9	sw	Jesse A. Mann
Lebanon	Laclede	1,265	52	53.9	− 1.6	89	1	20	12	41	53	4.44	+0.09	1.90	0	10	11	6	13	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	55	53.2	− 1.4	89	1	20	12	51	56	3.16	−0.64	0.95	0.9	11	13	6	11	n.	Miss Carrie Loomis
Lockwood	Dade	1,078	34	54.2	− 2.3	87	1	22	12	36	44	4.17	−0.36	0.61	T	14	12	11	7	sw.	Hubert A. Nieman
Marshall	Saline	779	53	54.2	− 0.6	88	2	20	12	39	50	3.72	−0.17	1.77	1.0¶	11	18	6	6	ne.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	39	54.5	− 0.4	89	1	21	12	43	43	5.75	+1.23	1.49	T. ¶	11	10	11	9	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	28	54.8	− 1.3	88	1	21	12	40	40	6.50	+2.05	0.95	T.	14	9^{a}	10^{a}	10^{a}	se.	G. H. Boswell
Neosho	Newton	1,011	53	57.2	− 1.1	88	1	24	12	42	57	6.06	+1.50	1.45	T. ¶	11	14	6	10	w.	U. S. Fisheries Station
Nevada	Vernon	862	47	56.3	+ 0.6	88	1	23	12	41	48	5.52	+1.23	1.78	T	13	16	5	9	se.	Henry Kraft
Ozark Beach	Taney	681	..	....	......	..	..	..	..	..	15	5.55	+1.08	2.55	0	8	..	..	..	......	V. Smith
Sedalia	Pettis	910	27	55.1	− 0.2	92	14	21	12	46	29	3.16	−0.57	1.01	1.0	12	12	8	10	ne.	Dr. J. E. Cannaday
Seligman	Barry	1,542	39	55.8	− 0.8	85	1†	22	12	38	37	6.56	+2.50	1.86	T.	10	15	8	7	s.	Floyd E. Fawver
Seymour(near)	Webster	1,642	34	54.2	− 1.5	87	1	19	12	43	34	6.22	+1.90	1.58	T	13	13	1	16	se.	A. L. Hailey
Springfield	Greene	1,301	52	53.6	− 2.4	88	1	22	12	41	52	4.90	+1.04	1.07	T.	13	8	3	19	se.	U. S. Weather Bureau
Versailles	Morgan	1,037	13	53.9^{d}	− 2.0	89	1	20	12	47	16	3.29	−1.15	0.70	T	9	9^{c}	13^{c}	5^{c}	e.	Robert Otten
Warrensburg	Johnson	878	53	54.5	− 1.6	89	1	20	12	41	60	5.23	+1.57	2.98	2.5	10	6	8	16	sw.	E. A. Markey
Warsaw	Benton	687	39	55.4	− 1.3	89	1	21	12	45	45	5.02	+0.56	1.23	0	15	12	6	12	w.	Everett Martin
Division means	**and extremes**	.....	..	**54.6**	**− 1.4**	**92**	**14**	**19**	**12**	**54**	..	**4.57**	**+0.51**	**2.98**	**0.3**	**11**	**11**	**8**	**11**	**se.**	
Southeastern Division																					
Advance	Stoddard	354	3	55.3	......	88	3	28	12	41	3	7.02	......	2.36	T. ¶	12	..	..	..	n.	U. S. Weather Bureau
Arcadia	Iron	926	59	53.8	− 1.5	92	1	23	13	54	62	5.73	+0.91	1.07	T.	12	12	3	15	w.	Arcadia College
Birch Tree(near)	Shannon	1,000	45	55.0	− 2.1	90	1	23	12	47	46	6.51	+1.75	2.10	0	9	13	4	13	s.	V. H. Kirkendall
Campbell	Dunklin	314	14	58.4	− 0.3	88	1	30	12†	41	14	6.26	+2.00	1.85	0	13	12	11	7	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	44	57.7	− 2.5	88	3	30	12†	50	48	6.38	+1.86	1.30	0	9	17	4	9	s.	Sam Smith
Crystal City	Jefferson	420	6	54.8^{f}	......	90	15	25	12	53	6	2.47	....	0.67	0	9	8^{c}	3^{c}	14^{c}	n.	Pittsburgh Plate Glass Co.
Doniphan	Ripley	344	36	57.6	− 0.9	90	1	24	13	47	36	8.69	+3.76	2.52	0	10	18	4	8	nw.	Boyce Lackey
Farmington	St. Francois	896	29	56.0	− 0.9	88	1†	24	12	52	43	6.50	+1.98	1.99	T.	13	11	5	14	s.	F. M. Karsch
Goodland	Iron	1,000	47	53.6	− 1.4	91	1	19	13	55	47	6.51	+1.62	1.65	T. ¶	8	12	6	12	n.	F. M. Adams
Greenville	Wayne	381	31	57.0	+ 0.4	92	1	24	13	48	33	7.05	+2.35	2.35	0	10	11	7	12	nw	Beuford Shoemake
Jackson	Cape Girardeau	428	49	56.8	− 0.3	86	3	28	12	43	50	6.92	+2.58	2.00¶	T. ¶	11	8	15	7	n.	L. R. Crites
Koshkonong	Oregon	958	39	56.5^{a}	− 2.0	91	1	25	12	40	40	8.53	+3.51	2.60	0	10	11^{a}	4^{a}	14^{a}	e.	R. M. Hitt
Licking(near)	Texas	1,170	3	55.2	......	90	1	21	12	47	3	6.59	......	2.10	T.	12	11	9	10	sw.	U. S. Forestry Service
Marble Hill	Bollinger	470	45	57.2	0.0	90	2	26	12	46	47	7.02	+2.53	2.13	T. ¶	10	9	12	9	s.	R. A. DeWitt
Poplar Bluff	Butler	339	35	57.0	− 2.5	89	1	26	12	37	36	7.96	+3.45	1.70	0	10	15	5	10	w.	Mrs. J. H. Wolpers
Rolla	Phelps	1,202	40	53.7	− 2.2	90	1	21	12	40	56	4.59	+0.37	1.00	0.3¶	12	..	..	..	e	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	103	51.6	− 1.5	88	15	25	12	37	103	3.86	+0.05	1.04	T.	14	7	7	16	nw	**Section Center**
St. Louis Airport	St. Louis	556	3	53.2	......	87	15	24	12	41	9	3.49	......	1.36	0.3	14	6	4	20	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	28	54.2	− 1.5	87	15	25	12	36	28	2.93	−0.93	0.94	0.9	15	9	8	13	n.	St. Louis University
Salem	Dent	1,173	36	53.8	− 2.2	91	1	22	12	46	39	7.02	+2.52	2.10	T.	14	12	5	13	sw.	E. E. Martin
Sikeston	Scott	318	33	55.7	− 2.4	87	1	26	12	41	43	7.39	+2.77	1.16	T.	12	11	13	6	n.	Mrs. Hazel P. Young
Union	Franklin	520	2	55.0	......	90	15	25	12	53	23	3.97	−0.39	0.84	T.	9	12	4	14	ne.	Robert Mueller
Wappapello Dam	Butler	475	1	56.7	......	88	1	28	12	43	1	6.41	......	1.43	0	10	16	3	11	se.	J. E. Harns
West Plains	Howell	1,005	3	54.4	......	91	1	25	12	47	3	7.11	......	2.74	0	11	10	2	18	e.	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	68	56.6	− 1.5	84	3	29	12	32	69	7.92	+4.20	2.72	T.	14	7	7	16	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**55.6**	**− 1.4**	**92**	**1**	**19**	**13**	**55**	..	**5.64**	**+1.28**	**3 08**	**0.1**	**11**	**11**	**7**	**12**	**n.**	
State means	**and extremes**	.....	..	**54.0**	**− 1.1**	**92**	**1†**	**15**	**12**	**57**	..	**4.41**	**+0.47**	**3.08**	**0.3**	**11**	**11**	**8**	**11**	**ne.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.
¶ Estimated. ‖ Partially estimated.

Daily Precipitation for April 1940

Stations	Drainage basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Northern Division																																	
Amity[2]	Grand			T.				.67	.13		.02	.01						.33	.10			T.	T.	.43			.51		.06	.22			2.48
Bethany	....do						T.	.68	.06		.20							.66					.17	.12		.08	.47			.19	T.		2.63
Bowling Green[2]	Mississippi			.09				.05	.02			.10	.23					T.	.35					.17	.03		.11			.13			1.28
Brunswick[2]	Grand			T				.30	.08		.13		.11					.38	.90				T.	.15			.12		T.	.48	.04		2.69
Canton, Lock No. 20[2]	Mississippi			.20				.38	.04	T.	.29	.16	.04					.30	1.14					.56	.09		.30			.13	.48		4.11
Centralia[2]	....do.			.25				.10	.20			.24							1.26						.25		.16			.26			2.72
Chillicothe[2] (A)	Grand							.45	.03		.31	.10						.64	.45					.22			.28			.21			2.69
Clifton Hill	Chariton			.15				.32	.04	.01	.01	.14						1.51					.02	.22			.16			.46	.19		3.23
Columbia[1]‡	Missouri		.15				.20	.07	.12		T.	.26						1.24					.24	T.		T.	.01		.21	.05	.56		3.11
Conception	....do						T.	.83	.18	T	T.							1.36				T.	.11	.22		.07	.53	T.	.41	.10	T.		3.81
Edgerton	Missouri						T.	.38	T			.04						.72				T.	.28			T.		.23	.45	.14	.38		2.62
Edna[2]	Mississippi			T.				.38	.03		.23	.20						.34	1.14					.77	.15		.27			.12			3.63
Elsberry	....do		.07					.41			.04	.58						.08	.05					.15						.18	.21		1.77
Farber[2]	....do			.32					.08			.24	.42						.22					.22	.02		.03			.05			1.60
Fayette	Missouri			.32				.34	.22		.04	.23						1.49					.05	.23			.01			.22	.42		3.57
Fulton[2]	....do			.44				.38	.09			.46	.14					.17	.40					.24	.02					.30			2.64
Gallatin[2]	Grand							.85	.10		.14	T.						.15	.95					.25			.63		.05	.30			3.42
Gorin	Mississippi			T.				.43	.12		.31	T						1.25	.14					1.02		T.	.27			.11			3.68
Grant City	Grand							.95	.06									.78				.04	.09	.23		.17	.39		.28	.13			3.12
Hannibal[3] (A)	Mississippi		.25	.13			.07	.36	.04		.05	.28					.09	1.04					.08	.28		.08	.01		.05	.16	.40		3.37
Hermann[2]	Missouri			.06				.20	.08	.02	.02	.20	.46					.05	.23					.47			.02			.10			1.91
Kahoka[2]	Mississippi							.10	.22		.10	.15						*	1.64					.80	.18		.30			.38			3.87
Kansas City Airport[1]‡	Missouri		T.				.36	.17	.01	T.	T.	.14					T.	1.93				T.	.36	T.		.01	T.	.35	.26	.01	.61		4.21
Kansas City University	....do						.01	.49	.09	T.	.02	.08						2.01	.25			T.	.32	T.			T.	.65	.24	.16	.60		4.92
Kidder[2]	Grand							.55	.05	T.	.05	T.						.49	.33					.25	T.		.38		T.	.07			2.17
King City	Missouri		T.				T.	.80	.02		.02	T.						.50					.30	.32		.07	.47		.66	.11			3.27
Kirksville	Mississippi			.54				.43	.06		.42	.01						1.88	.06					.79			.30			.41	.09		4.99
LaBelle[2]	....do							.33			.18							.26	.62					.46	.11		.26			.49			2.71
Lawson	Missouri						T.	.54	.14		.03	.18						1.90				T.	.34	.03		T.	.03	.07	.07	.06	.37		3.76
Linneus[2]	Grand			.02				.30	.08		.12	.19	.02					.73	.93					.19			.20			.33	.17		3.28
Louisiana	Mississippi							.22	.10			.70						.70	.05					.26						.22	.57		2.82
Lucerne[2]	Grand							.44	.19		.16							.66	.19					.65	.04		.45			.51	.03		3.32
Macon[2]	Chariton			T.				.40	.01		.05	.03	T.					.43	.55					.29	.01		.11			.25	.03		2.16
Madison[2]	Mississippi							.26	.11	T.		.05	.20					.30	1.40					.33	.02		.21			.25			3.13
Maryville	Missouri							.87	.07	T.	T.							.82				T.	.20	.13		.11	.52		.56	.21	.03		3.52
Memphis[2]	Mississippi			T.				.43	.07		.14	.34						.30	.62					.80	.18		.24			.17	T.		3.29
Mexico[2]	....do			.10				.25	.12			.26	.25					.30	.65					.28	.02		.08			.25			2.56
Milan[2]	Grand							.53	.05		.42	.03						1.20	.39				.01	.55	.04		.35			.48	.05		4.10
Moberly	Mississippi			.46					.33			.20						1.30												.30	.17		2.76
Monroe City	....do			.42				.33	.06		.04	.10						1.31						.44			.05			.54	.12		3.41
Oregon	Missouri						T.	.63	.06	T.		T.						.58					.22	.03		T.	.48	.03	.60	.05	.10		2.78
Palmyra[2]	Mississippi			.35				.30	.07		T.	.12	.16					.05	.55					.22	.09		.11			.12	T.		2.14
Paris[2]	....do			.45				.27	.04		T.	.05	.18					.06	1.19					.29	T.		.18			.23	.05		2.99
Perry[2]	....do			.20				.05	.26		.05		.20					.10	.95	.05					.15		.10			.05			2.16
Philadelphia[2]	....do			.34				.08	.24				.10						1.05						.26		.15				.34		2.56
St. Charles[2]	Missouri			.23				.29	T.			.49	.24					T.	.45					.35			T.			.22			2.27
St. Joseph[1]‡	....do		T.				.30	.24	T.	.11	T	.01					T.	.37				T.	.39	.01		.17	.05	.14	.51	T.	.07		2.37
Saverton, Lock No. 22[2]	Mississippi			.20				.41	.11	T.	T	.15	.03					.03	.73					.25	.10		.03			.13	.02		2.19
Shelbina	....do			.21				.58											1.18					.32			.09			.42			2.80
Shelbyville[2]	....do			.20				.38					.06						1.35				.53				.15			.37			3.04
Steffenville	....do			.13			T.	.50	T.		.24	.25						1.78						.45			.09		.47		.03		3.94
Tarkio	Missouri							.75	.17		.08							.58					.60	.10		.58			.92				3.78
Trenton	Grand						T.	.49	.10	T	.12	T.						.94					.15	.13			.39	T.		.38	.02		2.72
Troy[2]	Mississippi			.11				.36	.04	.05		.25	.26					T	.20					.28	.01		T.			.18			1.74
Unionville[2]	Chariton							.52	.18		.20	.10						.53	.60					.90	.03		.42			.44	.09		4.01
Warrenton	Mississippi			.12				.38	.08		.06	.73						.30	.09					.42			.03			.25	.82		3.28
Keokuk, Iowa[1]‡	....do		.18	.04			.03	.35	T.	T	.26	.01						.55					.12	.64		.14	.06		.04	.18	.01		2.61
Southwestern Division																																	
Altona[2]	Osage							.70	.03		.18	.32	.12					1.42	.26					.39			.11		.70	.20			4.43
Anderon (near)	Neosho		T.	1.12			1.81		T		.76	1.95					T.	.21					.06				1.38	T.	.75	.65	.27		8.96
Appleton City	Osage		.05				.23	.30	.03		.15	.58						.81					.37				.24	.09		.35	.35		3.55
Bolivar	....do			.31			.33	.25	.03		.16	.51						.69					.07	.24			.09	.22	.09	.26	.96		4.21
Boonville[2] (A)	Missouri			1.00				.23	.12		.04	.37	.10					1.00	.25					.20						.20			3.51
Buffalo[2]	Osage			.50				.60	.03		.15	.59	.08					.32	.02					.31					.72	.32			3.64
Caplinger Mills	....do		.07				.52	.05	.03		.27	.52						.42					.33				.20	.14	.55	T.	.59		3.69
Carthage	Neosho			.05			.40	.24	T.		.55	1.12						.78					.22				.10		.37	.61	.58		5.02
Clinton[4]	Osage	T.	.13				.45	.06	.03	.04	.12	.61					.04	1.27					.40	T				.81	.36		.35		4.67
Concordia[2]	Missouri							.53	.11		.02		.23					1.77	.31					.11		T.			.03	.18			3.29
Eldon[2]	....do			.17				.41	.08		.06	.46						.29	.67					.22						.24			2.60
Galena[2]	White			.78			.14	.35	T.		.32	2.16						.24	.16					.23						.89	T.		5.27
Hailey	....do			.64			.68				.68	1.96						.28	.02				.32	T.			.63		.26	.79	.11		6.37
Harrisonville[2]	Osage							.63	.09			.13	.10					.76	.45					.43					1.49	.21			4.29
Jefferson City[2]	Missouri			.31				.28	.07		.05	.40	.30					.25	.65					.30	.02					.31			2.94
Joplin[3]	Neosho		.20				1.38	.08			.61	.82					.15	.39					.24				.42	T.	.93		1.10		6.32
Lakeside[2]	Osage			.33				.35	.05		.14	.74	.13					.33	.21					.19	T.					.19			2.66
Lamar[2]	Neosho			.95				.75	.05		.33	.35	.10					.85						.35				.03	.20	.80			4.76
Lebanon	Osage			.41			.09	.47	.03		.20	.60						.32						.19						.23	1.90		4.44
Lexington[2]	Missouri							.47	.10		.04	.07	.02					.95	.61				.02	.34					.39	.15			3.16
Lockwood	Osage			.03			.50	.12	.07		.31	.47						.54					.29	.04			.03	.27	.30	.61	.59		4.17
Marshall	Missouri			.13				*	.50		.05	.10						1.77					T.	.19				.03	*	.40	.55		3.72
Mountain Grove	White			.14			.05	.69	.02		.32	1.49						1.06		.70				.11						.43	.74		5.75
Mount Vernon	Neosho			.95			.52	.10			.60	.85					.85	.15				T.	.45	.08			.15	.20	.50	.45	.65		6.50
Neosho	....do		T.	.51			.39	.46	T.		.54	1.05						.31						.03			.87	T.	*	1.45	.45		6.06
Nevada	Osage			.13			.71	.21	.05		.22	.57						1.78					.50				.32	.10	.25	.19	.49		5.52
Osceola[2]	....do			1.35				.52	.05		.16	.56	.09					1.65						.45			.05	.05	1.45	.30			6.68
Ozark Beach[2]	White							.76				2.55						.22	.56	.23				.14				.30		.79			5.55
Pleasant Hill[2]	Osage			T.				.57			T.	.03	.18					1.13	.66					.38	T.		T.		1.09	.16			4.20
St. Thomas (near)[2]	....do.			.30				.24			.14	.57	.11					.03	.47					.18						.35			2.39
Sedalia	Missouri	T.		.14				.43	.13		.03	.39						1.01	.01				.05	.21				.08		.25	.43		3.16
Seligman	Neosho		.58				.74	.16	T.		.47	1.86						.26									.80		.85	.35	.49		6.56
Seymour (near)	White			.55			.25	.68	.03		.44	1.58						.94		.08			.03	.26			T.	.19		.50	.69		6.22
Springfield[1]‡	....do		.34				.75	.08	.01		.41	.98					.01	.73				T.	.22	T.			.04	.01	.42		.90		4.90
Stover[2]	Missouri			.10				.34										1.54	.13					.25						.19			2.55
Versailles	Osage	T.		.10				.42			.18	.54						.70	.20					.24			T.			.34	.57		3.29
Warrensburg	Missouri						T.	.38	.05			.32						2.98	.08				.25	.04				.13	.22	T.	.78		5.23
Warsaw (A)	Osage			.57			.03	.36	.04		.20	.54	.47					1.23	.01				.26	.19				.44	.13	.09	.46		5.02
Waverly[2]	Missouri							.40	.18	T.	.02	.05	.04					.82	.95					.17			.02		.10	.33			3.08

Continued on next page

Daily Precipitation for April 1940—Continued from preceding page

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Southeastern Division																																	
Advance⁴	St. Francis						.30	.22			.03	2.36					T.	1.23	.56	1.09	.01		.11	T.					.07	.22	.82		7.02
Annapolis	...do						.10	.58	.05			1.67						1.10	.30	1.35	.04			.09						.33	.60		6.21
Arcadia²	...do			.06				.59			T.	1.00	1.00					.34	.75	1.07	T			.23	.06		.02			.51	.10		5.73
Belleview	Meramec							.59					1.01					.32	.76	1.06				.22	.06						3.08		7.10
Birch Tree(near)	Black						.18	.47			.23	2.10						.19	.14	1.92										.42	.86		6.51
Bragg City²	St. Francis			.13				.85				1.56	.43						1.02	1.13	.55			.20						.25			6.12
Campbell	...do			.17			.10	.68			.13	1.85						.45	.66	.91	.47		.01	.25						.31	.27		6.26
Cape Girardeau²	Mississippi							.70	T.			.77	1.32					.85	.86	.48	.49			.14			T.			.02	.13		5.76
Caruthersville²	...do			.50				.85				.90	.50						1.20	1.30	.55			.29						.29			6.38
Centerville²	Black			.24					.50	T.	.03	1.48	.03					.64	.69	1.30				.20						.28	T.		5.39
Crystal City²	Mississippi			.18				*	.27			.67	.25					.06	.37	.34				.33									2.47
Cuba²	Meramec			.98				.53				.75						.80	.46					.24						.12			3.88
Dexter²	St. Francis							.62				.75	1.26					.23	.74	1.04	.68			.24						.42	1.02		7.00
Doniphan	Black						.19	.85			.10	1.89						.64	.50	1.45	T.			.05						.50	2.52		8.69
Farmington	St. Francis			.07			.01	.52			.07	1.29						.21	.76	1.02			.02	.24	.01					.29	1.99		6.50
Fisk²	...do							.53			.01	.69	1.46					.09	.57	1.28	.29			.17						.43	1.61		7.13
Fredericktown²	...do							.65				1.05	.48					.24	.45	.60	.18			.15	.03		.10			.36			4.29
Goodland	Black							.40				1.30					1.65	.62		.88				.21						.20	1.25		6.51
Greenville	St. Francis			T.			.05	.75			T.	2.35						1.20	.10	1.55	.10			.15						.40	.40		7.05
Jackson	Mississippi	.13					.08	.73				2.00						1.13	.23	1.19	.20			.16						.15	.92		6.92
Jerome²	Gasconade			1.50				.47	T.		.14	.38	.30					.57	.29					.32						.15			4.12
Koshkonong	Black			.05			.32	.64			.25	2.60						1.33	.18	1.80										.72	.64		8.53
Leeper²	...do			T.				.85			T.	1.65	.70					.59	.28	1.60	.20			.10			T.			.40	.12		6.49
Licking (near)	Gasconade			.26			.10	.70	.03	T.	.11	1.02	T.					1.59	.12	.19			T.	.20	T.		T.			.17	2.10		6.59
Marble Hill	Mississippi						.11	.55				2.13						.90	.10	2.04	.15			.19						.46	.39		7.02
Meramec Park²	Meramec			.38				.34	.05	T.		.94	.22					1.06	.41					.34						.17			3.91
Morehouse	Mississippi																																...
New Madrid²	...do			.16				.83	.09			.89	.92					.09	.47	1.10	.53			.21						.24	.03		5.56
Owensville²	Gasconade			.65				.26				*	.81					.26	.94					.32									3.24
Pacific²	Meramec			.15				.70				.47	.45					.34	.24						.40		.20						2.95
Parma²	St. Francis							1.15				1.05	.61					.10	1.07	.87	.67			.35						.30			6.17
Poplar Bluff² ....(A)	Black							.88				.90	1.31					.05	.45	1.17	.31			.11	T.					1.08	1.70		7.96
Richwoods²	Meramec			.44				.25				1.20	.15					.40		.40	.20			.47						.15			3.66
Rolla⁴	...do		.76	.15			.28	.20	.05		.10	.77	T.				.64	.25		T.			.25	T.			T.		.14		1.00		4.59
St. Louis:																																	
City Office¹‡	Mississippi	T.		.31			.01	.37	.01		.03	.83	T.				.44	.12		.15			.26	.04		T.	T.		.08	.17	1.04		3.86
Airport⁴‡	Missouri	T		.17			T.	.23	.01		.01	.66	T.		T.		.03	.41		.01			.29	.03		T.	.01		.21	.06	1.36		3.49
St. Louis Univ.....³‡	Mississippi	T.		.23			.02	.24	.01		.02	.61					.30	.14	T.	.11			.19	.05			.01		.06	.13	.81		2.93
Washington Univ.²‡	...do			.29				.35	.01			.50	.31					.58	.30	.02	.03			.30	.01					.21			2.91
Salem	Meramec			.31			.58	.06			.03	.83	.40				.46	.88	.23	.39	.21		.28	T.						.26	2.10		7.02
Sikeston²	Mississippi			.03				1.10	.05	T.		.66	1.10	T.				.12	.90	1.00	.85			.21						.21	1.16		7.39
Union	Meramec			.52				.36			.04	.78						.48	.30					.45			T.			.20	.84		3.97
Valley Park²	...do			.26				.25	T.	T.		.30	.58	T.				.70	.33	T.	.04			.27	.04		T.			.35			3.12
Van Buren	Black							.38			.09	1.84					T.	.47		1.51			T.							.27	.74		5.30
Wappapello Dam²	St. Francis							.65			T.	1.40	.92					.20	.32	1.43	.19			.27						.68	.35		6.41
West Plains⁴	Black		T.	.02			.70	.33			.58	2.41					T.	.22	.65	.81		T.	.19				T.	T.	.51	T.	.69		7.11
Williamsville²	...do			.18				.76				1.46	.80					.07	.18	1.56	.24			.15						.32	.83		6.55
Willow Sprgs. (near)²	White			.60				.70				1.00								.50										.08	.53		3.41
Zalma(near)²	Mississippi							.73				.98	1.04					.81	.20	1.10	.24			.08						.40	.12		5.70
Cairo, Ill.¹‡	...do			.03			.28	.51	T.		.01	1.81						1.57	.26	.53	.02		.08	.02			.01			.12	2.72		7.92
																																	....

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Dean, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Springfield City Office, Steffenville, Tarkio, Versailles, Wappapello Dam, Warsaw, and Washington University(St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for April 1940

(See precipitation data in daily precipitation table)

Station	Data	Day of month																															Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	.242	.255	.258	.285	.210	.132	.069	.080	.019	.130	.142	.093	.091	.156	.289	.275	.214	.077	.140	.179	.206	.225	.191	.022	.139	.284	.206	.235	.209	.263	....	5.346
	Mean temperature	70	66	68	54	47	43	46	44	49	56	38	34	46	60	72	68	52	46	50	50	54	60	51	52	57	60	60	68	64	60	..	54.7
	Wind movement	58	48	95	82	73	55	98	155	61	73	49	134	93	42	69	46	83	88	84	68	42	53	94	71	24	62	87	85	112	89	..	2,273
St. Louis (Washington University)	Evaporation	.194	.140	.220	.259	.192	.116	.074	.036	.018	.141	.062	*	.167	.160	.158	.210	.223	.086	.073	.063	.213	.093	.130	.042	.087	.061	.070	.202	.198	.152	....	3.840
	Mean temperature	74	72	69	53	44	44	47	43	47	50	42	33	40	56	66	64	61	42	44	48	49	54	54	50	54	50	55	64	68	67	..	53.6
	Wind movement	30	28	85	51	79	72	59	60	36	29	72	143	48	37	36	47	74	106	114	135	92	13	33	49	16	60	51	40	71	53	..	1,819

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports respectively. * Included in next measurement.

Daily Temperatures for April 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	88	84	72	59	58	54	49	51	60	66	40	47	61	85	84	78	45	57	65	65	63	67	53	63	68	61	65	80	73	63	..	64.2
	Minimum	50	53	59	40	34	35	35	38	30	30	38	20	20	28	43	49	43	32	33	38	40	43	41	38	39	41	44	46	55	51	..	39.7
Chillicothe §§	Maximum	87	83	67	59	58	52	49	52	59	62	52	47	62	85	81	73	69	57	62	67	61	61	54	62	62	61	65	80	73	56	..	63.6
	Minimum	50	53	52	37	34	33	40	38	29	38	28	19	24	34	55	47	39	32	34	36	42	43	43	41	41	42	41	52	58	48	..	40.8
Columbia	Maximum	86	82	73	59	55	51	49	50	62	65	53	44	57	82	83	78	60	54	58	61	63	69	51	62	69	62	66	81	75	73	..	61.6
	Minimum	60	63	55	40	34	36	40	39	30	51	29	21	31	42	62	51	38	36	43	36	43	47	43	36	47	41	51	56	59	43	..	43.5
Fayette	Maximum	85	81	73	69	56	53	48	49	63	65	60	44	59	82	82	74	65	55	60	64	62	67	53	62	67	61	66	79	73	71	..	61.9
	Minimum	55	60	56	39	33	34	42	38	29	47	27	20	29	40	59	48	39	34	39	36	39	44	46	37	43	43	47	53	58	45	..	42.0
Grant City	Maximum	79	79	73	58	56	65	48	51	58	57	46	47	61	87	80	77	65	58	73	68	60	61	53	61	56	58	61	73	67	65	..	63.1
	Minimum	47	53	47	35	33	32	40	35	29	45	23	15	22	38	50	46	39	32	37	35	42	42	43	33	45	43	45	53	53	42	..	39.1
Hannibal	Maximum	73	85	70	58	54	55	52	47	60	63	49	43	55	78	80	73	50	51	57	62	61	63	49	60	64	57	65	80	74	72	..	62.1
	Minimum	48	51	50	37	35	31	41	36	32	46	21	20	29	38	57	45	35	35	38	35	40	45	44	39	45	40	40	52	56	39	..	40.1
Kansas City Airport.	Maximum	91	82	72	59	54	50	46	51	61	65	45	49	64	87	83	75	59	56	63	66	66	62	53	61	70	62	59	70	71	61	..	63.9
	Minimum	61	65	52	40	35	36	39	39	33	45	26	23	32	51	60	50	38	31	39	38	51	41	46	43	45	47	50	56	59	41	..	41.1
Kirksville	Maximum	75	85	75	62	55	51	50	48	60	59	57	44	56	80	78	69	63	54	60	63	59	62	55	60	61	58	60	79	71	67	..	62.6
	Minimum	45	46	46	38	36	31	42	37	32	45	28	18	29	38	55	45	37	32	37	38	40	41	45	41	46	40	43	50	58	48	..	40.3
Lawson	Maximum	88	80	71	59	54	49	45	49	61	63	51	45	62	85	80	75	62	54	61	66	62	62	53	63	68	60	56	71	70	60	..	62.8
	Minimum	51	61	50	36	31	32	39	37	32	50	26	18	26	45	57	47	35	31	34	36	44	43	44	40	44	43	47	53	56	43	..	41.0
Louisiana	Maximum	85	82	80	60	65	55	52	50	60	60	40	40	50	78	75	73	62	53	60	60	65	60	60	65	60	65	72	78	70	75	..	63.7
	Minimum	50	46	60	40	37	30	42	40	31	40	32	23	30	40	50	50	40	36	35	28	35	37	32	37	40	43	48	47	58	51	..	40.1
Macon§§	Maximum	76	85	69	59	57	55	50	50	61	64	38	45	58	81	81	75	43	55	61	65	60	62	49	61	62	59	66	79	72	67	..	62.2
	Minimum	46	46	51	37	32	29	37	37	30	43	30	17	24	33	54	44	39	30	35	36	38	41	45	39	42	40	41	48	57	49	..	39.0
Maryville	Maximum	80	80	74	59	55	54	48	52	50	56	45	46	60	81	81	70	61	55	60	65	63	56	52	60	56	56	58	69	66	65	..	61.4
	Minimum	48	49	45	32	31	32	37	36	33	45	23	15	26	41	52	46	40	31	35	40	45	42	40	37	46	42	45	62	52	40	..	39.4
Mexico §§	Maximum	86	85	74	62	54	56	55	50	63	72	60	45	62	80	83	78	49	52	58	65	62	67	52	64	68	59	69	82	77	76	..	65.5
	Minimum	50	52	60	39	32	32	39	38	31	43	35	19	24	38	58	48	45	35	37	34	33	42	47	38	40	40	40	47	55	53	..	40.8
Moberly	Maximum	85	84	76	64	57	52	51	49	60	64	60	45	60	82	83	75	69	56	60	67	64	64	58	59	65	61	66	80	71	69	..	65.3
	Minimum	50	54	60	38	33	32	42	38	29	45	30	19	29	35	44	46	38	33	38	35	35	42	45	39	41	41	44	51	57	45	..	40.3
Oregon	Maximum	91	88	75	64	54	54	46	53	62	63	58	48	61	87	80	70	60	57	63	71	65	58	58	63	62	60	58	68	70	62	..	61.3
	Minimum	50	62	50	35	33	33	37	37	35	34	25	18	29	50	54	47	40	32	36	41	48	42	43	35	45	43	45	53	58	42	..	41.1
St. Charles §§	Maximum	84	84	79	65	58	55	51	46	64	61	41	52	61	82	86	76	71	49	49	64	63	68	68	62	65	59	69	81	80	78	..	65.8
	Minimum	54	58	60	45	37	32	29	40	33	45	41	25	28	35	45	53	52	37	39	37	34	44	50	39	45	41	43	51	59	51	..	42.9
St. Joseph	Maximum	89	82	67	58	56	53	46	53	63	61	42	47	63	86	81	72	58	58	64	69	63	60	54	62	65	59	57	70	70	59	..	62.8
	Minimum	52	62	49	38	36	36	39	38	34	42	26	21	32	49	58	50	38	33	37	39	50	45	44	35	46	45	48	54	56	42	..	42.5
Trenton	Maximum	79	83	76	59	56	53	46	57	59	62	52	47	62	84	79	71	64	58	62	67	60	62	58	63	61	59	65	78	70	60	..	63.7
	Minimum	49	54	51	38	36	35	39	37	29	47	26	20	28	37	57	47	40	32	34	36	37	43	45	37	40	42	46	52	57	48	..	40.6
Unionville §§	Maximum	72	87	78	60	59	60	51	55	60	60	40	47	56	80	80	72	46	60	63	70	63	62	53	62	61	61	68	79	73	59	..	63.2
	Minimum	45	46	48	36	34	29	36	36	30	33	29	16	20	31	48	44	38	29	33	36	39	44	45	35	39	40	40	44	56	45	..	37.5
Warrenton	Maximum	83	81	75	68	59	53	53	48	59	59	59	41	54	77	85	78	72	47	53	61	63	66	62	61	65	66	68	79	79	75	..	65.0
	Minimum	58	61	59	41	34	31	45	38	33	44	28	21	30	37	60	52	40	35	40	35	36	42	46	37	41	41	45	51	58	53	..	42.4
Keokuk, Iowa	Maximum	63	83	67	52	55	53	52	47	60	60	46	42	52	77	78	68	50	54	58	63	60	63	50	60	60	57	64	77	71	63	..	60.2
	Minimum	45	48	51	40	38	34	44	38	33	46	27	21	28	40	53	46	36	34	39	39	39	49	46	45	46	41	40	51	58	41	..	41.2
Southwestern Division																																	
Clinton	Maximum	87	80	76	63	54	48	46	50	65	70	49	45	62	84	82	78	62	54	59	66	67	71	53	65	73	68	60	74	73	70	..	65.1
	Minimum	63	62	55	42	33	35	39	37	30	49	27	21	30	44	58	51	38	35	40	36	41	47	44	36	42	49	50	52	56	42	..	42.8
Eldon§§	Maximum	88	81	74	61	55	51	48	49	64	66	40	60	61	81	87	76	58	53	57	64	66	71	54	65	72	65	69	61	75	74	..	64.9
	Minimum	60	58	60	43	34	33	35	38	36	37	39	22	21	28	46	52	53	36	36	36	37	45	48	38	37	41	47	50	57	51	..	41.8
Harrisonville§§	Maximum	89	79	73	65	53	47	44	53	63	68	40	46	64	86	81	75	44	55	63	66	65	65	55	62	72	65	61	71	71	60	..	63.4
	Minimum	62	54	50	39	30	33	40	40	32	42	32	19	24	37	56	47	42	30	34	39	44	43	43	33	42	45	47	49	50	43	..	40.7
Jefferson City §§	Maximum	84	82	74	60	55	52	55	49	64	65	38	44	60	82	88	78	53	51	57	64	65	70	53	63	70	64	69	81	77	75	..	64.7
	Minimum	56	58	57	40	33	34	35	34	32	34	37	20	21	28	48	50	50	33	36	34	36	44	45	36	41	43	43	49	55	53	..	40.5
Joplin	Maximum	89	78	75	63	52	46	47	48	64	70	54	42	64	83	80	84	70	52	61	66	73	71	54	64	74	69	74	76	72	78	..	66.4
	Minimum	71	66	58	49	38	41	38	40	38	50	28	24	36	50	64	64	40	38	42	43	49	53	45	42	50	55	58	59	60	46	..	47.8
Lamar§§	Maximum	90	80	77	65	55	47	45	50	66	72	44	45	65	85	83	85	60	55	64	70	68	68	57	65	74	70	70	78	75	65	..	66.4
	Minimum	61	58	55	45	35	35	38	38	31	31	38	22	23	33	49	59	55	37	38	36	38	48	44	38	39	45	51	52	56	51	..	42.6
Lebanon	Maximum	89	80	73	62	55	50	46	46	64	66	66	41	61	80	85	80	70	49	56	63	65	68	56	65	72	68	61	78	71	72	..	65.3
	Minimum	63	61	57	40	34	35	39	36	32	45	28	20	29	39	57	55	40	35	40	34	37	46	44	35	40	50	49	53	55	48	..	42.5
Lexington§§	Maximum	89	80	73	62	57	51	45	50	61	66	39	47	65	88	85	77	43	57	65	69	64	66	53	64	72	65	59	77	73	64	..	64.3
	Minimum	55	56	53	39	33	36	39	38	35	39	30	20	25	37	56	48	41	33	37	39	45	45	46	41	45	45	47	52	58	52	..	42.2
Marshall	Maximum	87	88	83	74	58	53	52	51	61	65	63	45	62	83	83	80	74	58	59	63	62	67	58	61	69	67	64	78	72	69	..	67.0
	Minimum	52	59	51	39	33	35	37	37	34	50	27	20	23	44	58	49	39	32	38	38	35	46	46	39	39	44	44	45	61	45	..	41.3
Mountain Grove	Maximum	89	81	76	68	61	50	50	46	63	67	65	42	63	81	82	79	74	51	53	64	61	64	56	63	69	66	61	74	75	71	..	65.5
	Minimum	60	58	59	45	35	36	40	37	34	44	29	21	29	38	53	58	50	35	38	36	39	44	45	39	44	50	50	51	56	52	..	43.5
Neosho	Maximum	88	87	76	74	63	53	45	49	67	72	70	43	66	82	82	85	82	52	62	68	75	73	64	65	75	75	74	78	78	78	..	70.0
	Minimum	62	63	57	42	38	40	38	40	28	47	31	24	30	40	58	54	44	38	41	32	41	49	46	35	44	49	55	53	57	53	..	44.3
Nevada	Maximum	88	85	76	73	59	51	46	50	66	71	67	45	65	86	84	81	76	56	64	74	68	70	55	69	69	68	67	75	74	68	..	68.2
	Minimum	66	57	54	45	35	39	39	39	31	49	26	28	31	45	60	55	43	38	41	36	44	48	46	38	44	52	50	56	56	46	..	44.4
Sedalia	Maximum	88	84	77	71	58	51	48	48	61	69	65	42	62	92	82	80	73	54	58	68	72	70	54	64	72	70	62	78	73	70	..	67.2
	Minimum	58	64	56	40	31	35	41	37	34	49	26	21	31	46	59	49	40	34	39	34	43	43	46	36	45	45	49	55	57	46	..	43.0
Springfield Airport.	Maximum	88	75	71	62	51	45	45	46	62	68	58	39	60	80	83	81	65	49	60	64	60	65	51	63	70	65	64	75	72	70	..	63.6
	Minimum	62	60	53	45	36	39	40	38	33	47	27	22	28	39	54	59	38	37	41	37	39	48	45	38	46	52	49	54	57	43	..	43.5
Warrensburg	Maximum	89	83	74	65	56	51	46	50	64	68	63	45	63	86	83	79	72	56	63	67	66	68	53	64	72	67	59	76	72	67	..	66.2
	Minimum	58	65	55	41	33	33	38	38	32	49	28	20	30	45	59	49	39	34	39	38	38	45	45	37	44	46	49	54	57	45	..	42.8
Southeastern Division																																	
Arcadia §§	Maximum	92	80	82	70	55	49	57	45	67	60	52	42	63	83	85	81	74	46	44	63	68	65	55	64	71	65	69	80	77	76	..	66.0
	Minimum	52	56	61	46	36	33	32	40	31	34	45	24	23	29	41	58	58	36	37	37	30	43	47	39	34	32	48	49	57	56	..	41.5
Birch Tree(near)	Maximum	90	84	80	75	64	58	47	48	63	65	63	43	64	81	82	82	73	68	45	63	67	64	59	65	72	68	61	63	73	76	..	66.9
	Minimum	50	61	64	49	39	38	38	40	33	40	32	23	27	34	52	56	57	38	39	38	33	46	45	41	43	51	45	40	54	51	..	43.2
Caruthersville§§	Maximum	87	82	88	79	55	55	65	51	65	68	60	46	61	81	80	78	71	53	47	64	67	69	67	69	75	67	72	82	77	78	..	68.6
	Minimum	54	62	61	56	46	43	43	47	39	39	47	30	30	31	32	56	64	44	40	40	38	40	50	50	49	49	53	54	57	60	..	46.8
Crystal City §§	Maximum	87	84	80	65	55	58	..	46	62	60	49	41	..	82	90	76	73	48	50	..	64	68	60	63	..	70	84	80	81	76	..	[d]67.4
	Minimum	..	62	60	45	38	33	..	41	32	43	47	25	26	29	..	57	54	38	39	41	31	..	49	36	37	..	46	..	50	55	..	[f]42.2
Doniphan	Maximum	90	84	88	80	66	57	65	53	68	66	63	46	66	80	81	82	74	69	45	62	67	70	64	67	72	67	70	72	81	80	..	69.8
	Minimum	53	59	63	44	41	39	45	46	34	44	38	28	24	33	47	60	62	42	41	39	31	46	51	48	37	51	53	45	62	55	..	45.5
Farmington	Maximum	88	81	81	80	67	58	60	50	64	63	60	42	60	83	88	82	72	59	50	61	66	70	58	63	72	65	72	81	79	79	..	68.5
	Minimum	54	59	63	49	37	34	44	40	35	42	31	24	31	31	51	60	58	37	38	36	32	42	49	40	37	42	47	50	61	54	..	43.6
Jackson	Maximum	82	80	86	80	67	55	63	56	64	61	60	42	60	74	79	77	78	69	45	60	65	67	65	66	71	68	80	76	76	75	..	68.2
	Minimum	57	60	67	46	40	37	45	44	34	44	34	28	30	31	49	57	60	40	41	39	31	46	51	42	38	50	52	49	62	58	..	45.4
Poplar Bluff	Maximum	89	80	87	80	60	52	62	50	67	65	61	48	64	77	81	80	74	69	45	68	68	68	66	67	72	69	72	83	79	77	..	69.3
	Minimum	53	56	63	45	41	38	45	44	36	41	31	26	28	45	55	59	60	40	40	36	31	45	49	42	39	49	52	47	52	56	..	44.8
Rolla	Maximum	90	80	73	61	52	49	50	46	63	60	53	40	59	80	86	77	66	46	51	62	65	68	50	62	70	63	68	80	75	72	..	63.9
	Minimum	58	58	58	44	34	35	42	38	36	46	26	21	30	40	62	58	37	36	39	34	43	47	42	38	46	48	51	55	60	42	..	43.5
St. Louis	Maximum	83	81	76	62	54	55	55	47	61	69	55	39	54	78	88	76	70	49	48	60	62	64	57	62	66	60	65	78	78	76	..	63.9
	Minimum	66	62	60	42	39	34	46	41	38	46	29	25	34	41	63	54	39	37	38	40	44	50	47	44	51	44	46	50	62	43	..	45.2
Salem	Maximum	91	78	76	62	51	50	52	46	64	60	56	40	60	80	84	82	72	44	48	62	69	66	51	65	71	65	65	79	75	72	..	64.5
	Minimum	55	62	59	45	35	34	41	38	33	43	28	22	29	34	60	54	42	35	39	35	31	47	47	38	45	49	51	52	59	54	..	43.2
Sikeston §§	Maximum	87	80	86	74	55	53	63	49	68	62	56	44	64	75	80	76	70	45	45	61	64	70	65	65	70	65	74	81	75	73	..	66.5
	Minimum	56	56	62	50	40	36	41	41	36	44	45	26	28	34	47	56	59	39	39	36	34	42	47	43	44	50	50	49	61	57	..	44.9
Union	Maximum	87	84	79	69	58	56	55	48	66	62	61	44	60	83	90	83	72	48	52	64	66	70	64	64	70	63	70	84	79	79	..	67.7
	Minimum	53	58	60	46	36	32	46	40	31	41	33	25	29	30	47	52	46	37	42	36	30	43	48	37	37	45	51	51	58	49	..	42.3
West Plains	Maximum	91	76	79	73	54	46	53	48	64	68	56	42	63	82	81	79	74	48	50	65	63	65	55	64	70	60	66	77	77	75	..	65.5
	Minimum	51	61	54	47	41	40	44	41	31	47	30	25	31	35	53	53	42	39	40	38	33	45	45	40	38	50	53	45	58	46	..	43.2
Cairo, Ill.	Maximum	84	79	84	72	54	57	62	48	62	61	58	41	60	74	80	76	69	46	47	60	63	68	63	64	69	64	67	79	73	73	..	65.2
	Minimum	64	62	66	54	42	40	45	44	44	49	33	29	33	42	60	63	46	41	39	39	41	50	50	46	49	51	51	53	62	49	..	47.9

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 5-29-40—1150.

Continued from page 17

Frosts.—Light, 5th, 6th, 9th, 13th, 18th, 19th, 20th, 21st, 24th; heavy, 9th, 13th, 18th, 19th; killing, 5th, 9th, 11th, 12th, 13th, 14th, 18th.

Hail.—Light, 2d at Kirksville; 3d at Anderson (near), St. Louis, Warrenton; 6th at Neosho; 16th at Salem; 17th at Bethany, Fayette, Union; 29th at Canton, Doniphan, Koshkonong, Van Buren; 30th at Altona, Anderson (near), Carthage, Dexter, Doniphan, Fredericktown, Greenville, Mount Vernon, Neosho, Poplar Bluff, St. Charles, St. Louis, Seymour (near), Springfield. Moderate, 30th at Benton, Farmington, Lebanon, Lockwood, Van Buren, Warrensburg. Heavy, 3d at Osceola; 17th at Licking (near), Poplar Bluff; 30th at Bolivar, Buffalo, Glidewell, Licking (near), Pineville, Salem, and three miles northeast of Warrensburg. (See special hailstorm notes).

Halos.—Solar, 2d, 5th, 6th, 15th, 19th, 22d, 27th, 29th; lunar, 20th, 21st, 22d.

Sleet.—6th, 9th, 11th, 17th.

Thunderstorms.—Local, 1st, 2d, 6th. 7th, 10th, 11th, 19th, 21st, 22d, 23d, 25th, 26th, 27th, 28th, 29th; more or less general, 3d, 16th, 17th, 30th.

Tornadoes.—30th. (See special tornado and windstorm notes).

Windstorms.—30th. (See special tornado and windstorm notes).

HAILSTORMS

A destructive hailstorm occurred at Osceola and vicinity, about 6:30 p. m. on April 3d, with extensive damage to roofs, plate glass and window panes, automobiles, and slight damage to wheat. Stones were one-half to one inch in diameter. The storm came from the southwest, and the path was about three miles wide. Amount of damage not available.

On the afternoon of April 30th a heavy hailstorm, accompanied by heavy rain, struck Salem and vicinity, about two o'clock, and lasted about twenty minutes. The storm came from the north, and the path was twelve miles wide, and extended in spots from nine miles west of Salem to five miles east. Stones ranged up to an inch or more in diameter and covered the ground to a depth of at least an inch. Vegetation was greatly damaged, gardens ruined, foliage and buds beaten off trees and shrubs, roofs and automobile tops damaged, windows broken, and many chickens and birds killed. The storm was accompanied by such a roar that it was was impossible to hear persons three feet distant. Damage to roofs and glass estimated at $20,000, but amount of damage to crops not available.

A heavy hail, described as "of the hen egg variety" was reported at Glidewell on the afternoon of the 30th, in newspaper reports from Springfield. This storm occurred in connection with a destructive windstorm which struck Springfield and vicinity about 2 p. m. Amount of damage not available.

Damaging hail also occurred at Lockwood, and severe hail damage in nearby localities, on the 30th. Damage was mostly to window panes and amount of damage not available.

TORNADOES AND WINDSTORMS

A windstorm of the line-squall type struck at Springfield and vicinity at about 2 p. m. of the 30th, lasting for about ten minutes, resulting in damage estimated at $100,000 in the area. Trees were uprooted and blown down, windows broken, outbuildings damaged or wrecked, and lighting facilities disrupted for one to three hours in parts of Springfield and rural districts to the north. The storm was accompanied by hard rain and destructive hail over portions of the area.

On the same afternoon, but between 4:30 and 6:30 p. m. destructive tornadoes and straight-line winds struck portions of Butler, Stoddard, Scott, Mississippi, and Cape Girardeau counties, in the southeastern portion of the State, resulting in the death of five persons, injury to a score or more, and property and crop damage running into hundreds of thousands of dollars. (Official estimate of damage not available at this time.)

There were apparently two distinct tornado paths, one extending through the central part of Scott County, between 4:30 and 5:00 p. m., crossing the Mississippi River and striking at Cache, Ill., while the second one occurred about 6 p. m., extending from near Poplar Bluff northeastward to Charleston, thence northeast across the Mississippi River and continuing into Illinois.

Places describing the storms as distinctly of tornadic nature were Morley, Charleston and north of Sikeston, while other places reporting damage, but from straight-line winds, were Bloomfield and Dexter in Stoddard County; Benton, Chaffee, Fornfelt, Ill-Mo, and Kelso in Scott County; Bertrand and Wyatt in Mississippi County; and the southeast part of Cape Girardeau County.

Numerous homes, buildings, barns and outbuildings were demolished or damaged, heavy loss of live stock and trees occurred, and communication lines were disrupted as a result of these storms.

Paths of the storms varied from one-fourth mile to twenty miles in width and the movement was generally from a southwesterly to a northeasterly direction.

ERRATA

September 1939, page 45: Maximum temperature at Appleton City should be 106 on 3d.

51.05
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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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19

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GENERAL SUMMARY

The month was quite cool and dry, and unusually free from destructive storms. It was the coolest May since 1935 and the driest since 1936. Temperatures were rather low the first four days, when the minimum for the month occurred generally, and light frosts formed locally, but without damage. Other cool periods were 15th to 19th and the last ten days of month. Freezing or lower occurred at one or more stations in each division during the cool spell of the first four days. Two rather warm periods were from the 5th to 8th, and 12th to 14th.

Precipitation was uniformly distributed, but averaged only a little more than half the normal amount. A trace of snow occurred at a few northern stations. The surface soil was well supplied with moisture, due to the rather frequent, but generally light to moderate amounts of rainfall, and crops and vegetation generally made good growth. However, the precipitation was insufficient for more than current needs, and subsoil deficiency continued at close of month.

Crops made fairly good progress, although not so far advanced as usual for the season, due mainly to late planting and cool weather. Much replanting of corn and cotton was necessary. Cutworm damage was reported in many localities. Wheat and oats improved and were heading, with prospects generally fair to good, as the month closed. Pastures and hay crops made good growth, and the first cuttings of alfalfa were made the latter half of month.

TEMPERATURE

The monthly mean for the State, 83 stations reporting, was 62.7°, or 1.8° below normal. The highest monthly mean was 66.2° at Campbell and Caruthersville, and the lowest monthly mean was 59.2° at Memphis. The highest recorded was 95° at Lamar on the 6th and at St. Charles on the 7th, and the lowest was 30° at Goodland on the 4th. The greatest daily range was 48° at Goodland on the 12th.

PRECIPITATION

The average for the State, 142 stations reporting, was 2.44 inches, or 2.29 inches less than normal. The greatest local monthly amount was 5.75 inches at Meramec Park and Pleasant Hill, and the least local monthly amount was 0.32 inch at Philadelphia. The greatest amount in any twenty-four hours was 3.22 inches at Pleasant Hill on the 18th. The average number of days with 0.01 inch or more was 8.

The snowfall was only a Trace and occurred at only a few stations, mostly in the Northern Division.

MISCELLANEOUS PHENOMENA

Dust.—Locally, 5th, 14th, 15th, 17th.

Fog.—Dense, 9th, 28th.

Frosts.—Light, 1st, 2d, 3d, 4th, 9th, 15th, 16th.

Floods.—Light, in Mississippi River at Cairo, Ill., and immediately below, continued from April to May 8th. In St. Francis River, at Fisk, 3d-4th. In Grand River, at Chillicothe, 9th.

Hail.—Light, 6th at Grant City; 14th at Van Buren; 23d at Amity; 24th at Eldon, Kansas City Airport, Linneus, Mount Vernon; 25th at Amity, Brunswick, Kansas City Airport, Jackson, Lawson, St. Louis, Salem, Tarkio, Warrensburg. Moderate, 25th at Lexington. Heavy, 24th at Appleton City and north and south of Warrensburg, but no damage reported.

Halos.—Solar, 6th, 7th, 8th, 16th, 18th, 21st, 22d, 28th; lunar, 16th, 17th, 18th, 23d.

(Continued on page 26)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.93*	30.28*	11	29.61*	18	7.7	21	nw.	1	80*	52*	54*	75
Kan C. Airport	29.93	30.27	11	29.65	13	10.1	30	nw.	15	78	47	48	75
St. Joseph	29.91*	30.28*	11	29.62*	13	8.3	30	w.	11	81*	51*	52*	65
St. Louis	29.92*	30.28*	11	29.55*	19	11.7	31	sw.	14	67	47*	49	64
Springfield	29.91*	30.23*	11	29.58*	18	8.5	28	s.	5	79*	50*	51*	75
Cairo, Ill.	29.93	30.22	12	29.62	25	8.2	25	s.	14	76	46	48	74
Keokuk, Iowa	29.91	30.29	11	29.57	18	8.0	26	nw.	2	74	48	49	63

* Data for Airport Station.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	62.1	93	30	4.98	6.23	4.73	3.98	....	5	..	..	..
1889	63.5	100	28	6.06	7.41	6.91	3.87	....	5	..	..	..
1890	62.8	97	26	3.65	2.91	4.62	3.43	....	6	..	..	..
1891	61.5	97	27	4.11	4.84	3.87	3.62	0	8	..	..	..
1892	60.7	91	28	9.04	8.72	10.11	8.28	0	17	5	9	17
1893	61.8	94	30	6.14	5.74	6.11	6.56	0	10	11	11	9
1894	63.7	96	29	4.31	2.60	5.18	5.14	0	8	13	11	7
1895	64.6	103	28	3.95	4.01	5.45	2.40	0	9	13	12	6
1896	70.1	96	37	9.17	9.00	10.29	8.22	0	12	12	12	7
1897	62.4	93	28	2.60	2.64	2.68	2.47	0	7	16	11	4
1898	65.2	97	31	7.68	8.36	7.81	6.88	0	14	12	10	9
1899	66.9	96	34	6.07	7.01	5.89	5.31	0	2	10	13	8
1900	66.3	97	29	3.63	3.80	3.00	4.09	0	10	14	11	6
1901	63.8	98	30	1.47	1.55	1.43	1.42	0	6	15	10	6
1902	69.4	98	39	4.82	5.31	5.65	3.51	0	11	13	11	7
1903	65.1	92	23	7.05	7.01	8.21	5.93	0	15	9	10	12
1904	63.1	95	32	4.74	5.46	5.40	3.35	0	12	13	10	8
1905	64.9	94	34	5.33	4.20	6.62	5.17	0	10	12	11	8
1906	66.3	98	27	2.45	2.08	3.02	2.25	0	7	15	10	6
1907	59.5	91	17	5.61	3.64	5.92	7.27	0.8	10	14	6	11
1908	66.1	96	21	6.91	8.16	6.77	5.79	0	12	12	10	9
1909	63.3	96	25	5.55	5.19	6.22	5.25	T.	9	15	9	7
1910	60.1	94	32	6.38	7.46	7.42	4.25	0	13	11	8	12
1911	68.8	101	27	1.46	2.45	1.10	0.84	0	5	19	7	5
1912	67.6	97	30	3.80	3.90	3.45	4.05	0	7	18	8	5
1913	65.8	101	33	2.79	3.82	3.16	1.40	0	8	16	7	8
1914	66.6	98	31	1.49	0.97	2.31	1.20	0	5	17	9	5
1915	63.7	97	30	7.72	8.34	8.11	6.70	0	12	12	7	12
1916	65.6	96	33	5.47	7.30	5.46	3.64	0	11	15	8	8
1917	58.7	91	30	4.28	4.14	5.38	3.32	0	10	15	7	9
1918	68.3	100	28	5.50	5.71	4.23	6.57	0	10	16	8	7
1919	62.0	93	35	5.74	5.65	5.96	5.61	0	13	10	10	11
1920	63.8	97	32	5.01	3.77	5.10	6.15	0	12	9	9	13
1921	66.4	102	28	3.68	3.80	3.68	3.55	0	7	17	8	6
1922	67.2	97	38	3.07	3.53	3.59	2.09	0	10	14	10	7
1923	62.7	97	25	4.68	2.45	4.40	7.18	T.	12	11	10	10
1924	58.6	96	31	4.71	3.18	5.13	5.83	0	10	13	8	10
1925	61.2	98	24	2.10	2.32	2.39	1.60	0	7	14	9	8
1926	67.0	100	29	2.78	2.42	3.34	2.58	0	7	16	9	6
1927	64.6	94	34	6.95	4.55	6.77	9.54	0	12	11	10	10
1928	65.8	95	29	2.87	2.05	3.16	3.41	0	8	16	9	6
1929	61.7	95	28	7.76	5.30	9.66	8.31	0.3	13	9	10	12
1930	64.7	95	33	3.33	3.22	3.78	2.98	0	9	16	8	7
1931	61.0	96	29	4.50	4.84	4 64	4.03	0	10	15	6	10
1932	66.1	98	31	1.80	2.44	2.03	0.93	0	6	18	9	4
1933	65.9	96	35	7.75	6.44	8.07	8.74	0	13	11	9	11
1934	69.0	110	31	1.93	1.82	2.42	1.56	0	5	21	7	3
1935	60.3	92	32	8.46	9.73	7.99	7.66	0	17	6	8	17
1936	68.8	95	32	2.52	3.07	2.95	1.54	0	7	17	10	4
1937	66.2	98	34	3.86	3.97	4.36	3.25	0	9	13	11	7
1938	65.0	94	32	6.13	5.32	7.75	5.31	0	13	9	12	10
1939	67.4	102	31	4.17	2.94	5.98	3.60	0	9	15	9	7
1940	62.7	95	30	2.44	2.44	2.40	2.48	0	8	16	9	6
....	....	..	..	....	....	....	....	....	..	..	..	..
Period	**64.5**	**110**	**17**	**4.73**	**4.63**	**5.13**	**4.42**	**T.**	**9**	**14**	**9**	**8**

Natural History Library

Climatological Data for May 1940

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	45	59.8	− 2.7	89	13	33	1	33	47	2.52	−1.65	0.97	T.	5	20	2	9	nw.	A. S. Cumming
Brunswick	Chariton	652	59	61.7	− 2.5	91	13	36	2	46	61	2.30	−2.31	0.67	0	9	18	4	9	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	2	60.0	......	89	13	36	1†	37	10	1.56	−3.76	0.53	0	7	14	7	10	nw.	Lockmaster
Chillicothe	Livingston	779	31	61.6	− 1.3	92	13	34	1†	37	34	2.47	−1.62	0.83	0	10	20	7	4	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	41	59.5	− 4.1	88	5†	34	2	35	31	1.69	−2.71	0.64	0	9	10	9	12	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	50	62.4	− 2.6	91	13	37	1	33	50	3.32	−1.14	2.13	T.	8	10	14	7	n.	U. S. Weather Bureau
Conception	Nodaway	980	51	61.8	− 0.3	89	13	31	1	38	56	3.04	−1.02	1.43	T.	7	10	17	4	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	20	61.5^{c}	− 1.5	88	5†	34	16	43	29	4.15	−0.05	1.09	0	7	21	2	8	s.	Fred L. Stiff
Elsberry	Lincoln	449	9	60.6^{a}	− 4.1	91	6†	32	4	39	9	1.74	−1.58	0.62	0	6	11^{a}	14^{a}	5^{a}	n.	Ray E. Mills
Fayette	Howard	760	60	61.5	− 2.3	88	13	35	1	35	57	2.59	−1.73	1.34	T.	8	20	2	9	n.	Irvin E. Schnell
Fulton	Callaway	818	52	61.2	− 3.4	90	7†	38	2	44	48	3.84	−0.76	1.98	0	8	17	8	6	nw.	Clyde C. Herring
Grant City	Worth	1,134	36	59.8	− 2.2	90	13	32	1	34	48	2.76	−1.47	1.31	T.	8	11	13	7	ne.	Howard Rybolt
Hannibal	Marion	759	48	60.4	− 3.2	89	13	35	1	37	56	1.33	−3.02	0.56	0	7	9	7	15	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	51	63.6	− 1.2	90	13	40	2	32	51	4.33	−0.32	1.77	0	8	11	12	8	nw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	2	63.2	......	94	30	37	1†	46	2	4.51	......	1.40	0	10	16	11	4	nw.	University of Kansas City
Kidder	Caldwell	1,020	48	60.8	− 1.8	89	13	33	2	34	52	3.96	−0.69	1.26	0	8	22	1	8	n.	Mrs. Geraldine Terry
Kirksville	Adair	969	51	61.2	− 1.1	90	13	35	1	34	58	1.71	−3.62	0.47	0	8	7	17	7	nw.	Howard Coons
Lawson	Ray	1,070	2	61.0	......	86	5†	34	1	33	2	2.61	......	0.71	T.	8	14	11	6	nw.	Elmer E. Lamb
Louisiana	Pike	469	46	61.4	− 2.3	92	7†	36	2	44	59	1.61	−3.09	0.52	0	9	17	6	8	w.	Stark Bro's Nurseries
Macon	Macon	875	41	60.9	− 2.6	90	13	34	2	38	47	1.54	−3.05	0.61	0	6	15	8	8	n.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	50	60.8	− 0.5	92	13	32	1	38	46	2.40	−2.25	0.81	T	7	13	8	10	nw.	R. B. Montgomery
Memphis	Scotland	787	1	59.2	......	90	13	33	1	41	10	2.42	−1.59	1.11	0	7	11	0	20	sw.	John W. Alexander
Mexico	Audrain	800	51	61.6	− 2.4	90	7†	34	2	38	62	2.74	−1.86	1.09	0	6	19	7	5	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	3	62.2	......	91	13	35	2	35	3	1.05	......	0.50	0	5	16	9	6	w.	Beverly Coomes
Oregon	Holt	1,048	84	62.6	− 0.6	90	13	35	2	36	84	2.88	−1.65	0.83	0	5	22	6	3	se.	Miss Mina Wright
St. Charles	St. Charles	520	52	63.6	+ 0.5	95	7	37	4	38	62	4.43	+0.15	1.72	0	7	16	11	4	sw.	Martin L. Comann
St. Joseph	Buchanan	957	30	62.8	− 1.4	89	13	38	1	33	68	3.52	−1.18	1.33	T.	6	15	7	9	nw.	U. S. Weather Bureau
Steffenville	Lewis	650	42	61.0	− 2.8	88	7†	32	1	36	47	1.60	−2.97	0.44	0	9	10	16	5	n.	Frank Hall
Tarkio	Atchison	916	37	60.8	− 1.8	92	13	35	1†	36	46	2.43	−2.11	1.05	0	7	7	15	9	ne.	Albert Volker
Trenton	Grundy	822	44	62.4	− 1.1	91	13	35	1	37	45	2.35	−2.35	0.63	T. ¶	9	21	4	6	n.	W. H. Estes
Unionville	Putnam	1,662	47	61.1	− 1.0	90	13	33	2	40	47	2.40	−2.85	1.20	0	6	19	3	9	nw	John H. Schick
Warrenton	Warren	816	58	62.5	− 2.4	90	7†	36	1	37	50	2.23	−2.17	0.70	0	7	10	14	7	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	68	60.8	− 3.0	89	13	35	1	32	68	1.28	−2.65	0.69	T.	6	8	11	12	nw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**61.4**	**− 2.0**	**95**	**7**	**31**	**1**	**46**	..	**2.44**	**−2.19**	**3.07**	**0**	**7**	**14**	**9**	**8**	**nw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	36	63.0	− 2.7	88	5†	31	2	40	41	1.82	−3.93	0.88	0	10	16	11	4	w.	E. S. Taylor
Appleton City	St. Clair	813	45	62.6	− 2.4	89	13	35	1†	39	48	2.13	−2.67	0.82	0	7	17	6	8	ne.	Rolla Brown
Bolivar	Polk	1,071	37	63.6	− 1.2	87	5†	37	2	33	45	2.11	−3.24	1.52	0	5	19	9	3	nw.	Southwest Baptist College
Boonville	Cooper	650	2	62.0	......	89	13	35	2	35	63	3.75	−0.86	1.10	0	9	18	6	7	nw.	Boonville Water Dept.
Carthage	Jasper	962	6	65.0^{b}	......	88	5†	40	2	37	16	1.79	......	1.45	0	6	18	11	2	nw.	Carthage W. and E. Plant
Clinton	Henry	786	47	63.0	− 2.5	88	5	36	2	36	53	2.59	−2.21	0.88	0	10	5	21	5	ne.	U. S. Weather Bureau
Eldon	Miller	934	45	62.4	− 1.8	90	13	37	2	45	41	2.88	−1.42	0.89	0	9	12	11	8	sw	E. H. Shepherd
Harrisonville	Cass	901	62	62.1	− 1.1	88	13	37	1†	36	65	3.20	−1.23	0.61	0	11	10	7	14	nw.	John H. Patterson
Jefferson City	Cole	557	50	61.5	− 3.2	89	5†	35	2	43	58	2.65	−1.76	0.70	0	9	21	4	6	w	Mrs. Frank Kliegel
Joplin	Jasper	1,008	18	66.1	− 0.2	88	5	41	2	30	35	2.05	−3.31	1.63	0	6	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	9	62.7	......	90	5	38	2†	42	9	1.64	......	0.60	....	10	..	..	..	nw.	W. S. Frame
Lamar	Barton	980	52	64.3	− 1.3	95	6	37	2†	41	59	2.13	−3.13	1.00	0	6	23	6	2	nw.	Jesse A. Mann
Lebanon	Laclede	1,265	52	62.0	− 2.9	88	5	36	1†	40	53	1.17	−4.04	0.55	0	8	8	16	7	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	55	63.4	− 1.0	89	13	36	2	37	56	3.99	−0.97	0.99	T.	13	19	8	4	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	34	63.4	− 1.0	87	6	35	2	37	44	1.99	−3.33	1.72	0	3	20	10	1	nw.	Hubert A. Nieman
Marshall	Saline	779	53	62.4	− 1.8	89	13	35	1†	40	50	2.72	−1.89	0.95	0	9	19	9	3	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	39	62.6	− 1.2	85	5†	37	2	34	43	1.27	−3.19	0.41	0	12	15	13	3	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	28	63.6	− 2.2	88	7	35	2	37	40	2.57	−2.94	0.90	0	5	14	15	2	nw.	G. H. Boswell
Neosho	Newton	1,011	53	64.4	− 1.6	87	5†	39	2	41	57	0.97	−4.59	0.58	0	6	20	8	3	nw.	U. S. Fisheries Station
Nevada	Vernon	862	47	61.8	+ 0.3	89	6	38	2	41	48	2.75	−2.18	1.39	0	9	24	1	6	nw.	Henry Kraft
Ozark Beach	Taney	700	..	....	......	..	..	..	..	..	15	1.10	−4.12	0.36	0	6	..	..	..	......	V. Smith
Sedalia	Pettis	910	27	63.4	− 1.9	90	5	35	2	36	29	4.17	−0.37	1.45	0	13	19	6	6	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	39	63.6	− 0.9	87	5	38	2	32	37	2.15	−3.29	0.97	0	7	20	7	4	sw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	34	61.8	− 1.9	85	5†	35	16	39	34	1.05	−3.78	0.53	0	5	20	6	5	nw.	A. L. Hailey
Springfield	Greene	1,301	52	61.6	− 2.9	86	5	36	1	36	52	2.16	−3.03	1.15	0	5	14	10	7	nw.	U. S. Weather Bureau
Versailles	Morgan	1,037	13	61.8^{a}	− 3.8	89	6	35	1	31	16	2.30	−2.40	1.19	0	8	11^{b}	14^{b}	4^{b}	w	Robert Otten
Versailles → Warrensburg	Johnson	878	53	63.8	− 1.2	90	13	35	1	37	60	2.76	−1.96	1.18	T ¶	9	16	7	8	nw	E. A. Markey
Warsaw	Benton	687	39	63.6	− 1.9	90	13	36	16	42	45	2.40	−2.60	0.58	0	10	19	7	5	w	Everett Martin
Division means	**and extremes**	.....	..	**63.1**	**− 1.8**	**95**	**6**	**31**	**2**	**45**	..	**2.40**	**−2.73**	**3.22**	**0**	**8**	**17**	**9**	**5**	**nw.**	
Southeastern Division																					
Advance	Stoddard	354	3	....	......	..	..	..	..	..	3	....	......	....	....		..	..	..	......	U. S. Weather Bureau
Arcadia	Iron	926	59	61.8	− 2.3	91	6	31	4	44	62	2.58	−1.66	0.78	0	10	16	9	6	w.	Arcadia College
Birch Tree(near)	Shannon	1,000	45	63.2	− 1.8	89	6	37	2†	40	46	1.01	−3.34	0.60	0	5	25	4	2	......	V. H. Kirkendall
Campbell	Dunklin	314	14	66.2	− 1.1	90	7†	41	4	38	14	2.67	−2.34	1.18	0	8	18	10	3	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	44	66.2	− 3.6	91	6	41	4	34	48	4.13	−0.31	1.70	0	6	19	8	4	s.	Victor T. Malloure
Crystal City	Jefferson	420	6	62.5^{a}	......	92	7†	33	4	47	6	2.74	......	1.03	0	5	8^{a}	14^{a}	8^{a}	w.	Frank Magro
Doniphan	Ripley	344	36	63.6	− 2.9	92	6	31	2	43	36	1.67	−2.69	0.72	0	6	24	1	6	sw.	Boyce Lackey
Farmington	St. Francois	896	29	63.4	− 0.3	91	6†	35	4	41	43	2.02	−3.05	0.94	0	11	13	8	10	n	F. M. Karsch
Goodland	Iron	1,000	47	60.6	− 3.4	90	6†	30	4	48	47	1.60	−2.91	1.12	0	6	17	9	5	n.	F. M. Adams
Greenville	Wayne	381	31	63.4	− 2.5	94	6	34	3	41	33	2.55	−1.63	0.70	0	6	11	15	5	sw.	Beuford Shoemake
Jackson	Cape Girardeau	428	49	63.5	− 2.1	90	6	33	4	37	50	2.82	−1.45	0.79	0	7	20	8	3	n.	L. R. Crites
Koshkonong	Oregon	958	39	64.1	− 2.5	87	6†	40	2†	34	40	1.53	−3.02	0.72	0	9	20	4	7	sw.	R. M. Hitt
Licking(near)	Texas	1,170	3	62.0	......	89	6	35	4†	41	3	2.31	......	0.93	0	7	16	10	5	nw.	U. S. Forestry Service
Marble Hill	Bollinger	170	45	63.4	− 2.2	92	6	33	4	41	47	2.85	−1.64	1.03	0	9	12	14	5	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	35	61.6	− 2.9	88	6†	38	4	39	36	2.58	−1.94	1.22	0	8	23	6	2	w.	Mrs. J. H. Wolpers
Rolla	Phelps	1,202	40		......	..	..	..	..	..	56	....	......	....	....	..	..	..	..	......	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	103	61.0	− 3.0	91	7	38	1	31	103	1.46	−2.88	0.45	0	9	10	12	9	nw	**Section Center**
St. Louis Airport	St. Louis	556	3	62.4	......	92	7	37	4	35	9	2.27	......	0.92	0	10	9	7	15	w.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	28	63.8	− 1.9	91	13	39	1†	34	28	1.00	−3.19	0.26	0	10	17	5	9	n.	St. Louis University
Salem	Dent	1,173	36	61.8	− 2.7	89	6	35	4	36	39	2.78	−1.73	0.81	0	8	19	8	4	n.	E. E. Martin
Sikeston	Scott	318	33	64.7	− 3.8	89	6†	38	4	35	43	2.88	−1.36	0.62	0	8	12	17	2	sw.	Mrs. Hazel P. Young
Union	Franklin	520	2	63.4^{a}	......	93	7	33	4	40	23	1.81	−2.73	1.01	0	8	16^{a}	5^{a}	9^{a}	n.	Robert Mueller
Wappapello Dam	Butler	475	1	64.6	......	91	6	41	16	36	1	1.74	......	0.63	0	8	24	3	4	s.	J. E. Harns
West Plains	Howell	1,005	3	62.1	......	87	6	36	4	40	3	0.79	......	0.33	0	7	6	16	9	nw.	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	68	61.8	− 3.6	88	6	42	4	29	69	1.92	−1.79	0.62	0	10	7	12	12	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**63.5**	**− 2.5**	**94**	**6**	**30**	**4**	**48**	..	**2.48**	**−1.94**	**2.00**	**0**	**8**	**16**	**9**	**6**	**sw.**	
State means	**and extremes**	.....	..	**62.7**	**− 1.8**	**95**	**7**	**30**	**4**	**48**	..	**2.44**	**−2.29**	**3.22**	**0**	**8**	**16**	**9**	**6**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for May 1940

Stations	Drainage basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																
Amity[2]	Grand	.10	T.					T.	1.13		.03					T.		.22	.45	.38		1.03			.19	.12	.04						3.69
Bethany	do	T.						.32	.56									T	.97			.60			.07								2.52
Bowling Green[2]	Mississippi	.54								.08						.10			.33	.65			.05			.10	.10		.04	.03	.03		2.05
Brunswick[2]	Grand	.26	T.							.05	T.							.07	.67	.40			.06		.02	.25	.52		T.				2.30
Canton, Lock No. 20[2]	Mississippi	.04														.04			.20	.28			T.			.53	.46	T.		.01			1.56
Centralia[2]	do	.37								.09									1.53	.80							.28						3.07
Chillicothe[2] (A)	Grand	.17							.17		T.					T.		.11	.83	.82		.04	.04		.03	.06	.20						2.47
Clifton Hill	Chariton	.06							.06									.40	.64			.10			.08	.04	.29	.02					1.69
Columbia[1]‡	Missouri	T.							.17		T.				T.			1.98	.77	T.		.14	.01		.06	.12	.07	T.					3.32
Conception	do	.04			.04		T.	.61	.82		T.							.16	.85			.52			T.	T							3.04
Edgerton	Missouri							.05	.99									.70	1.09			.96			T.	.08		.28					4.15
Edina[2]	Mississippi																		.17	.43			.08				.80						1.48
Elsberry	do	.62													.05			.10	.44	.49						.04		T.	T.				1.74
Farber[2]	do	.78																	.48	.45	.38		.42								.12		2.63
Fayette	Missouri	.04							.06									.68	1.34			.13			.05	.06	.23						2.59
Fulton[2]	do	.67					T.			.06								.17	1.98	.66			.06			.13	.11		T.				3.84
Gallatin[2]	Grand								.75										.65	.53		.73				T.	.12						2.78
Gorin	Mississippi	T.							T.							T.			.14	.53		T.				.67	.36						1.70
Grant City	Grand	T.					.18	1.22	.09		.09				T.	T.		.04	.70	T.		.42			.02								2.76
Hannibal[3] (A)	Mississippi	T							T.							.05		.10	.56			.42			.01	.08	.11						1.33
Hermann[2]	Missouri	.96								.06						.22		.02	.75	.61							.03	T.					2.65
Kahoka[2]	Mississippi																		.10	.55		T.	T.			.36	.88						1.89
Kansas City Airport[1]‡	Missouri	T.						.64	.64						T.		T.	1.06	1.25			.38	T.		.20	.10		.06					4.33
Kansas City University	do	T.							1.27									1.23	1.40	.01		.38	.01		.05	.02		.10	.04				4.51
Kidder[2]	Grand	.16							.87		.05								1.26	.37		1.18			T.	.04	.03						3.96
King City	Missouri	.04						.12	1.58						T.			.23	.85			.67			.01	T.							3.50
Kirksville	Mississippi								.05										.47	.04		.08			.26	.28	.38		.15				1.71
LaBelle[2]	do																		.23	.31			.24			*	.82						1.63
Lawson	Missouri	T.						T.	.70		.02				T.			.71	.44		T.	.58			.03	.08	T.	.05					2.61
Linneus[2]	Grand	.21	T						.17		.01					.03		.03	.56	.31		.03	.13		T.	.60	.31						2.39
Louisiana	Mississippi								*	.50					.02	.10		.10	.22	.30						.20	.17						1.61
Lucerne[2]	Grand								3.07							.09			.25	.27		.30				.33	.31			.01			4.66
Macon[2]	Chariton	.10														T.			.61	.19			.02			.12	.50						1.54
Madison[2]	Mississippi	.31	T.							.03									.50	.31						.43	.33						1.91
Maryville	Missouri	.02					.04	.84			.02				T.			.19	.75			.51			T.								2.40
Memphis[2]	Mississippi								.32										.10	.52			.12			.23	1.11	.02					2.42
Mexico[2]	do	.78								.05						T.		T.	1.09	.53			.18				.11						2.74
Milan[2]	Grand	.10							.33							.03			.15	.26		.66	.04			.36	.33						2.26
Moberly	Mississippi																	.35	.15			.17				.10	.28						1.05
Monroe City	do	.12												.06				.11	.51	.26	.17					.50	.24						1.97
Oregon	Missouri							.83	.36					T.				.32	.70			.67				T.							2.88
Palmyra[2]	Mississippi	.30														.03			.31	.20			.44				.31						1.59
Paris[2]	do	.30	T.				.04			.03						T.			.43	.24			.05			.47	.25		.05				1.86
Perry[2]	do									.05						.05		.20	.65	.40			.05				.20						1.60
Philadelphia[2]	do	.10										T.								.14							.08						0.32
St. Charles[2]	Missouri	1.72										T.							.59	1.48			.44			.06	.12				.02		4.43
St. Joseph[1]‡	do	T.						.96			T.				T.		.01	.65	.57		1.07	.26			T.	T.							3.52
Saverton, Lock No. 22[2]	Mississippi	.52	T							T.	T.					.08	.05		.86	.57			.17			.14	.15	T.			.01		2.55
Shelbina	do	.20														.10			.33	.30						.12	.35						1.40
Shelbyville[2]	do	.25																	.44	.52							.65						1.86
Steffenville	do	.04								.03						T.		.18	.33	.25		.04	.04			.25	.44						1.60
Tarkio	Missouri						.20	.56	.11									.16	1.05			.20				.15							2.43
Trenton	Grand	.02						.44			.02				.03			.27	.63			.47			.36	.11							2.35
Troy[2]	Mississippi	1.05														.18			.80	.35						.01	.05						2.44
Unionville[2]	Chariton								1.20							.05			.22	.25		.28					.40						2.40
Warrenton	Mississippi	.30								.10					.70	T.		.40	.13	.45						T.	.15						2.23
Keokuk, Iowa[1]‡	do	T.						T.							T.	.01		T.	.39	T.		.06			T.	.69	.09	T.	.04				1.28
Southwestern Division																																
Altona[2]	Osage	.48							.04									T.	.55	.78	.70	.40	.07		.15	.11							3.28
Anderson (near)	Neosho					.02			.17	.04					T.				.88	.08		.20	.34	.03	.02		.04						1.82
Appleton City	Osage	T.							.53									.15	.82		.16	.30			.09		.08						2.13
Bolivar	do	T.																T.	1.52	.14	.01	T.			.24	.20							2.11
Boonville[2] (A)	Missouri	.50								.10								.25	.68	1.10		.11	.07			.26	.68						3.75
Buffalo[2]	Osage	1.13																		.98						1.10							3.21
Caplinger Mills	do								T.									1.85	.45	.05	.05	.10			.45	T.							2.95
Carthage	Neosho									T.									1.35	.10		.07	.18		.02	.07							1.79
Clinton[4]	Osage	.01							.88		T.							.32	.82	.07	.06	.05			.03	.31		.04					2.59
Concordia[2]	Missouri	.06	T.						.02	.03								.55	.86	.29						.36	.17						2.34
Eldon[2]	do	.74								.08								.01	.31	.28	.03		.20			.89	.34						2.88
Galena[2]	White	.82								1.02									T.	.38			T.	.16		.03							2.41
Halley	do								.20										.68	.11		.05	.29	.05									1.38
Harrisonville[2]	Osage	.61							.50	.16								.44	.57	.28	.05	.33	.08			.06			.12				3.20
Jefferson City[2]	Missouri	.70	.04							.25								.35	.40	.43			.10			.15	.23						2.65
Joplin[3]	Neosho					.02			.02										1.63			.25	.08	.05		T.							2.05
Lakeside[2]	Osage	.59	.01			.01												.02	.05	.40		T.	.02			.30	.23		.01				1.64
Lamar[2]	Neosho	1.00								.05									.25	.63			.05			.15	T.						2.13
Lebanon	Osage	.05				.03												T	.28	.55	.02	.06			.03	.15							1.17
Lexington[2]	Missouri	.47	.01						.74	.25	.06							.42	.81	.68		.18			.02	.17	.16		.02				3.99
Lockwood	Osage																		1.72			T.			.08	.19							1.99
Marshall	Missouri	.08						.07										.60	.95	T.		.20			.40	.10	.22	.10					2.72
Mountain Grove	White	.03								.06					.05			.04	.06	.32		.02	.07	.07	.41	.12	.02						1.27
Mount Vernon	Neosho									.70									.90	.10	T.		.09		.78								2.57
Neosho	do					.05			T.	.02									.10	.58		.18	T.		T	.04	T.						0.97
Nevada	Osage								.71									.04	1.35	.08	.11	.08	T		.17	.18			.03				2.75
Osceola[2]	do	.21								.07									.35	.70	.11	.32	.09			.46	.30		.07				2.68
Ozark Beach[2]	White		.28							.18										.36				.08	.09	.11							1.10
Pleasant Hill[2]	Osage	.44							.68	.15		T.						.30	3.22	.30	.07	.26	.07	T.		T.	.16		.10				5.75
St. Thomas (near)[2]	do	.85																.05		.51						.46	.19						2.06
Sedalia	Missouri	.06							.36		.04							.83	1.45	.43	.04	.20	.03		.36	.23	.13		.01				4.17
Seligman	Neosho								.69						T.			.10	.97	T.	T	.12	.05	.18	.04								2.15
Seymour (near)	White														T.				.12	.41			.06	T.	.38	.08							1.05
Springfield[1]‡	do	T.				T.			.28						T.		T.	T.	1.15			.01	.34		.38	T.							2.16
Stover[2]	Missouri	.55																	.65								.90		.02				2.12
Versailles	Osage	.19							.18	T.	T.							.25	1.01	.15		.25			T.	.14	.10		T.				2.30
Warrensburg	Missouri	.05							.10		T.							.98	1.18	.08	T.	.03	.16			.10	.08	T.					2.76
Warsaw (A)	Osage	.47	.04							.13	.01				T.				.54	.58		.28	.09			.10	.16						2.40
Waverly[2]	Missouri	.35							.08	.05	.02	.02						.17	1.15	.60						.25	.30		.04				3.03

Continued on next page

Daily Precipitation for May 1940—Continued from preceding page

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southeastern Division																																	
Advance[4]	St. Francis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Annapolis	....do	....	....	....	....	....	....	....	....	.13	....	....	....	....	.36	....	....	T.	.25	.76	....	....	....	....	.12	....	....	....	....	....	....	....	1.62
Arcadia[2]	....do	.78	.04	....	....	....	....	....	....	.04	....	....	....	....	....	.47	....	.06	....	.75	....	....	.02	....	.15	.11	.16	....	....	....	....	....	2.58
Belleview	Meramec	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Birch Tree(near)	Black	....	....	....	....	....	....	....	....	....	....	....	....	.15	....	....	....	.22	.38	....	.17	....	....	.09	....	....	....	....	....	....	....	....	1.01
Bragg City[2]	St. Francis	1.21	T.	....	....	....	....	....	....	T.	.23	....	....	....	....	.16	....	....	....	.35	....	....	T.	1.13	.16	T.	....	....	....	....	....	....	3.24
Campbell	....do	.47	....	....	....	....	....	....	....	.03	....	....	....	....	....	.17	....	....	.13	.16	....	....	....	1.18	.09	.44	....	....	....	....	....	....	2.67
Cape Girardean[2]	Mississippi	.96	....	....	....	....	....	....	....	.73	.06	....	....	....	....	.31	....	....	T.	.10	....	....	....	.45	.03	.10	.03	....	....	....	....	T.	2.77
Caruthersville[2]	....do	.81	....	....	....	....	....	....	....	....	....	....	....	....	....	.40	....	....	....	.42	....	....	....	1.70	.45	.35	....	....	....	....	....	....	4.13
Centerville[2]	Black	.66	T.	....	....	....	....	....	....	.85	....	....	....	....	....	.79	....	.05	.49	....	....	....	.01	....	.04	.08	....	....	....	....	....	....	2.97
Crystal City[2]	Mississippi	1.02	....	....	....	....	....	....	....	....	....	....	....	....	....	.26	....	....	....	.30	....	....	1.03	....	....	....	.13	....	....	....	....	....	2.74
Cuba[2]	Meramec	.80	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.50	....	....	.21	....	....	....	.31	....	....	....	....	....	1.82
Dexter[2]	St. Francis	1.03	....	....	....	....	....	....	....	T.	.12	....	....	....	....	T.	....	....	....	.15	....	....	....	.33	.17	.09	T.	....	....	....	....	....	1.89
Doniphan	Black	.02	....	....	....	....	....	....	....	....	....	....	....	....	.72	....	....	....	.28	T.	....	....	.25	.20	T.	.20	....	....	....	....	....	....	1.67
Farmington	St. Francis	.24	....	....	....	....	....	....	....	.27	....	....	....	....	.34	....	....	.02	.08	.86	....	T.	.02	.01	T.	.10	.01	....	....	....	.07	....	2.02
Fisk[2]	....do	1.11	....	....	....	....	....	....	....	.01	.06	....	....	....	....	.06	....	....	....	....	....	....	....	1.11	T.	.54	....	....	....	....	....	....	2.92
Fredericktown[2]	....do	1.28	....	....	....	....	....	....	....	.17	....	....	....	....	....	.60	....	....	....	.40	....	....	....	....	....	....	.10	....	....	....	....	....	2.55
Goodland	Black	.08	....	....	....	....	....	....	....	....	....	....	....	....	1.12	....	....	.04	.15	.18	....	.03	....	....	....	....	....	....	....	....	....	....	1.60
Greenville	St. Francis	.60	....	....	....	....	....	....	....	.70	....	....	....	....	.50	.10	....	....	.10	T.	....	....	....	T.	T.	.55	....	....	....	....	....	....	2.55
Jackson	Mississippi	.79	....	....	....	....	....	....	....	.74	....	....	....	....	.40	....	....	....	.20	....	....	....	....	.25	....	.38	....	....	....	....	.06	....	2.82
Jerome[2]	Gasconade	1.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T	.80	.80	....	....	.15	....	....	.17	.40	....	....	....	....	....	3.37
Koshkonong	Black	.02	....	....	....	....	....	....	....	....	....	....	....	....	.10	....	....	.04	.14	.20	....	....	.72	.03	.19	.09	....	....	....	....	....	....	1.53
Leeper[2]	....do	.54	....	....	....	....	....	....	....	.25	....	....	....	....	....	.35	....	....	....	.20	....	....	....	.15	.05	.10	.05	....	....	....	....	....	1.69
Licking (near)	Gasconade	.18	....	....	....	....	....	....	....	.93	....	....	....	....	.14	....	....	.10	.09	.78	....	T.	....	T.	T.	.09	....	....	....	....	....	....	2.31
Marble Hill	Mississippi	.68	....	....	....	....	....	....	....	1.03	....	....	....	....	.12	.20	....	.09	.15	.24	....	....	....	.22	....	.12	....	....	....	....	....	....	2.85
Meramec Park[2]	Meramec	1.36	....	....	....	....	....	....	....	.09	....	....	....	....	....	.46	....	....	.08	.98	....	....	1.49	....	....	.87	.42	....	....	....	....	....	5.75
Morehouse	Mississippi	....	....	....	....	....	....	....	....	.08	....	....	....	....	....	.11	....	....	.09	.11	....	....	....	.76	.19	.77	....	....	....	....	....	....	2.11
New Madrid[2]	....do	1.61	T.	....	....	....	....	....	....	....	.11	....	....	....	....	.22	....	....	....	.31	....	....	T.	.82	.28	.28	.46	....	....	....	....	....	4.09
Owensville[2]	Gasconade	1.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.23	....	....	.58	....	....	....	....	....	....	....	....	....	....	....	....	1.91
Pacific[2]	Meramec	1.36	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	....	....	1.05	....	....	.85	....	....	....	....	....	.40	....	....	....	3.96
Parma[2]	St. Francis	1.82	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.35	....	....	....	2.00	.22	.50	.25	....	....	....	....	....	5.14
Poplar Bluff[2] ....(A)	Black	.50	T.	....	....	....	....	....	....	.11	.05	....	....	....	....	.32	....	....	....	.15	....	....	....	1.22	.10	.10	T.	....	....	....	....	....	2 58
Richwoods[2]	Meramec	1.00	....	....	....	....	....	....	....	....	....	....	....	....	....	.40	....	.02	....	.70	....	....	.55	.35	.20	....	....	....	....	....	....	....	3.22
Rolla[4]	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
St. Louis:																																	
City Office[1]‡	Mississippi	.02	....	....	....	....	....	....	.02	....	T.	....	....	....	.40	T.	....	.41	.08	.16	....	.14	....	....	T.	.22	.01	T.	T.	T.	T.	T.	1.46
Airport[4]‡	Missouri	.12	....	....	....	....	....	....	T.	T.	T.	....	....	....	.25	.02	....	.51	.48	.44	....	.32	T.	....	T.	.10	.02	T.	T.	.01	T.	T.	2.27
St. Louis Univ.....[3]‡	Mississippi	.03	....	....	....	....	....	....	.02	....	....	....	....	....	.23	T.	....	.26	.12	.11	....	.12	....	....	....	.09	.01	....	.01	T.	....	....	1.00
Washington Univ.[2]‡	....do	1.10	....	....	....	....	....	....	....	.03	....	....	....	....	....	.45	....	....	.80	.46	....	....	.32	....	....	.17	.04	....	....	....	....	....	3.37
Salem	Meramec	.11	....	....	....	....	....	....	....	.66	....	....	....	....	.68	....	....	T.	*	.84	....	.10	....	T.	.18	.21	....	....	....	....	....	....	2.78
Sikeston[2]	Mississippi	.62	T.	....	....	....	....	....	....	T.	.10	....	....	....	....	.11	....	....	....	.55	T.	....	....	.53	.20	.45	.32	....	....	....	....	T.	2.88
Union	Meramec	.26	....	....	....	....	....	....	....	.02	....	....	....	....	T.	....	....	.14	.06	.98	....	.14	....	....	....	.15	.06	....	....	....	....	....	1.81
Valley Park[2]	....do	1.11	....	....	....	....	....	....	....	T.	....	....	....	....	....	.35	....	....	T.	.88	....	....	.18	....	....	.11	.24	....	....	....	.15	....	3.02
Van Buren	Black	T.	....	....	....	....	....	....	....	....	....	....	....	....	.15	....	....	....	.60	....	....	....	T.	....	....	.09	....	....	....	....	....	....	0.84
Wappapello Dam[2]	St. Francis	.51	T.	....	....	....	....	....	....	.05	....	....	....	....	....	.24	....	....	....	.13	....	....	....	.63	.04	.08	.06	....	....	....	....	....	1.74
West Plains[4]	Black	T.	....	....	....	....	....	....	....	T.	....	....	....	....	.14	....	....	.04	.33	....	....	T.	.07	.03	.17	.01	....	....	....	....	....	....	0.79
Williamsville[2]	....do	.63	.04	....	....	....	....	....	....	.04	....	....	....	....	....	.33	....	....	....	.14	....	....	....	....	.35	.03	.18	.11	....	....	....	....	1.85
Willow Sprgs (near)[2]	White	.72	....	....	....	....	....	....	....	....	....	....	....	....	....	.28	....	.06	....	.47	....	....	....	....	.25	.05	....	....	....	....	....	....	1.83
Zalma(near)[2]	Mississippi	.42	T.	....	....	....	....	....	....	.52	.03	....	....	....	....	.53	....	T.	....	.18	....	....	....	.55	....	.08	.03	....	....	....	....	....	2.34
Cairo, Ill.[1]‡	....do	.01	T.	....	....	....	....	....	....	.08	T.	....	....	....	.25	....	....	.04	.19	.39	....	....	.11	.18	.05	.62	....	....	T.	....	....	....	1.92

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖‖ Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Springfield City Office, Steffenville, Tarkio, Versailles, Wappapello Dam, Warsaw, and Washington University(St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for May 1940

(See precipitation data in daily precipitation table)

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly
Lakeside (Osage Dam)	Evaporation	.087	.064	.244	.245	.393	.391	.352	.357	.167	.266	.109	.205	.203	.419	.328	.150	.219	.126	.039	.273	.278	.107	.195	.107	.190	.130	.157	.193	.207	.187	.193	6.791
	Mean temperature	46	51	55	58	72	78	70	67	63	59	60	62	70	70	58	58	62	62	64	68	66	67	62	60	56	59	62	64	62	65	66	62.7
	Wind movement	91	90	71	43	110	86	37	63	36	46	20	29	71	99	144	64	40	70	104	34	55	23	28	15	40	70	28	30	34	28	21	1,720
St. Louis (Washington University)	Evaporation	.135	.064	.121	.273	.193	.248	.226	.136	.328	.189	.153	.216	.224	.288	.224	.046	.195	.068	.089	.135	.320	.099	.197	.252	.185	.090	.112	.184	.194	.165	182	5.531
	Mean temperature	43	50	50	52	66	71	74	71	60	60	59	64	73	75	51	58	57	64	65	72	71	68	64	64	60	60	64	66	62	61	64	63.0
	Wind movement	71	57	63	59	38	48	42	37	71	38	41	35	35	49	62	38	38	34	58	44	27	34	41	24	40	42	31	27	45	42	44	1,355

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports respectively. * Included in next measurement.

Continued from page 23

Sleet.—1st.

Thunderstorms.—Local, 5th, 6th, 7th, 8th, 14th, 16th, 19th, 20th, 22d, 24th, 25th; more or less general, 17th, 18th, 21st.

Windstorms.—No damaging windstorms reported.

ERRATA

October 1939, page 50: Greatest daily range at Jackson should be 47.

Daily Temperatures for May 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	45	65	68	73	89	90	89	68	74	75	74	85	91	70	62	74	60	69	75	84	71	76	76	77	65	67	71	76	76	80	82	74.3
	Minimum	40	36	39	42	43	58	57	57	46	46	49	47	48	64	49	42	41	52	48	49	58	59	50	50	49	47	48	49	52	52	53	49.1
Chillicothe §§	Maximum	46	65	69	76	89	79	85	71	71	76	74	85	92	74	62	74	59	64	74	83	73	75	76	73	64	68	75	77	76	81	82	73.8
	Minimum	31	34	41	42	51	63	55	58	44	48	45	48	57	61	46	39	52	51	46	56	54	58	50	51	49	45	49	49	50	51	51	49.4
Columbia	Maximum	43	63	66	71	88	84	90	77	73	73	72	84	91	73	59	71	60	69	75	83	74	76	73	72	62	69	75	77	74	78	80	74.6
	Minimum	37	37	43	42	56	68	63	54	49	48	49	52	61	49	44	41	53	55	49	60	61	58	53	49	51	48	51	51	52	52	52	51.2
Fayette	Maximum	45	62	65	72	87	82	87	78	71	73	70	82	88	77	60	73	68	68	71	82	79	75	72	71	62	66	73	76	71	79	80	73.3
	Minimum	35	36	39	40	51	65	56	54	48	46	47	47	56	54	48	41	47	54	48	58	58	57	53	52	49	47	48	52	50	51	52	49.7
Grant City	Maximum	49	65	66	73	85	76	69	68	66	73	72	84	90	80	63	71	67	58	73	80	73	73	71	72	62	69	73	76	76	81	82	72.1
	Minimum	32	35	41	42	56	49	53	54	47	50	48	51	60	46	45	37	53	50	44	47	58	52	45	47	45	41	47	46	53	47	52	47.5
Hannibal	Maximum	41	63	62	66	87	79	88	78	72	73	70	82	89	74	50	71	58	69	72	81	74	73	72	74	56	67	75	73	73	76	75	71.4
	Minimum	35	37	38	39	50	61	56	56	47	49	46	49	63	48	42	41	49	52	49	55	60	57	48	49	49	49	50	50	48	53	52	49.3
Kansas City Airport	Maximum	51	67	68	76	89	81	85	67	70	74	74	84	90	74	66	76	65	60	78	82	73	73	76	73	62	71	76	76	76	82	83	74.2
	Minimum	40	40	47	50	61	64	63	56	49	50	52	57	65	50	48	44	53	52	49	60	61	58	52	54	49	48	51	51	56	53	58	53.0
Kirksville	Maximum	48	63	63	71	86	83	83	67	72	73	72	82	90	85	54	71	68	69	71	82	79	75	75	73	57	67	72	72	76	79	80	72.8
	Minimum	35	36	38	39	52	58	52	54	48	49	44	48	64	51	42	41	50	51	47	54	60	57	52	53	53	55	49	49	49	55	50	49.5
Lawson	Maximum	49	63	65	74	86	80	84	69	67	72	71	82	86	75	64	73	61	60	74	79	70	71	73	73	67	66	74	74	73	78	79	72.1
	Minimum	34	35	39	44	58	62	59	56	49	48	45	53	61	48	46	40	50	51	46	53	58	57	52	51	47	45	50	49	56	53	56	50.0
Louisiana	Maximum	57	60	60	65	88	78	92	80	70	75	77	84	92	80	57	75	71	70	74	75	77	81	80	77	75	75	70	74	75	80	77	75.1
	Minimum	37	36	40	48	50	60	55	50	50	40	42	40	62	50	45	43	45	42	42	52	54	60	42	45	50	52	46	50	52	50	52	47.8
Macon §§	Maximum	44	65	65	73	88	79	88	67	74	75	73	85	90	71	55	72	58	70	73	83	77	77	75	73	63	70	75	74	76	79	79	73.1
	Minimum	35	34	38	37	50	63	51	58	46	49	43	48	61	64	44	41	50	50	46	52	58	55	48	48	49	45	50	49	47	51	50	48.7
Maryville	Maximum	51	65	65	74	86	82	72	67	67	73	71	85	92	85	63	72	69	56	73	80	71	73	77	74	65	69	73	77	76	81	83	73.1
	Minimum	32	34	36	45	56	50	53	55	47	50	47	47	60	47	44	38	53	50	44	55	56	54	53	54	44	42	47	49	56	51	59	48.6
Mexico §§	Maximum	46	64	65	72	86	80	90	78	74	75	72	85	90	75	59	75	62	67	75	85	78	76	72	75	60	69	74	78	76	78	78	73.8
	Minimum	38	34	38	39	50	66	51	58	45	45	49	47	60	64	45	42	48	51	48	55	58	56	49	49	49	48	50	49	47	50	49	49.4
Moberly	Maximum	47	65	68	72	87	88	88	73	74	76	75	80	91	78	70	72	72	68	75	81	84	77	77	76	62	68	75	76	78	78	82	75.8
	Minimum	36	35	40	37	52	54	55	60	48	47	47	46	60	51	45	40	50	52	56	53	57	58	52	50	47	46	48	50	52	49	51	49.2
Oregon	Maximum	57	69	68	77	88	80	80	69	71	76	76	86	90	81	67	76	67	55	75	84	75	75	78	75	68	70	78	77	79	83	85	75.3
	Minimum	37	35	39	47	60	58	56	56	47	51	48	54	62	47	44	40	50	49	46	55	57	52	53	55	45	42	48	47	55	54	60	50.0
St. Charles §§	Maximum	47	65	63	69	89	84	95	82	74	76	72	86	93	82	54	76	61	74	78	89	83	73	73	78	65	72	79	76	76	79	75	75.4
	Minimum	40	39	39	37	53	52	58	63	50	47	48	48	60	66	50	45	49	54	54	56	59	61	52	52	53	51	52	55	52	53	54	51.7
St. Joseph	Maximum	54	68	68	76	89	79	82	69	69	75	74	85	89	75	66	74	62	58	76	81	70	75	76	72	64	70	75	76	78	80	84	73.8
	Minimum	38	39	44	48	60	60	59	56	49	52	51	57	65	49	46	41	51	50	48	54	59	57	53	55	48	46	53	50	58	51	61	51.9
Trenton	Maximum	54	68	67	72	88	85	82	74	72	75	74	84	91	85	62	74	65	65	75	83	80	75	79	73	64	70	75	78	77	82	84	75.2
	Minimum	35	37	38	41	55	59	55	56	47	48	48	47	59	51	45	41	53	52	46	53	60	57	50	53	49	45	50	48	51	52	57	49.6
Unionville §§	Maximum	44	66	74	74	88	78	76	77	76	74	73	83	90	78	55	77	62	69	75	82	78	78	78	76	69	69	74	78	78	83	83	74.7
	Minimum	34	33	34	39	49	56	54	53	46	48	45	49	55	60	41	40	45	50	45	51	56	54	48	49	46	43	49	48	47	52	52	47.5
Warrenton	Maximum	55	59	61	71	85	84	90	90	68	73	71	83	88	88	68	71	71	64	73	83	83	74	74	74	74	65	76	75	74	78	76	74.8
	Minimum	36	38	39	37	51	71	57	58	48	49	46	46	58	62	47	42	50	51	50	55	57	58	51	51	48	49	51	51	48	49	53	50.2
Keokuk, Iowa	Maximum	41	63	63	66	85	75	81	66	72	70	70	83	89	77	50	69	66	70	71	80	74	74	73	74	58	67	70	66	75	76	77	70.7
	Minimum	35	39	37	42	53	60	56	55	49	53	48	53	67	45	41	43	50	54	52	55	62	57	53	50	50	51	55	51	51	56	54	50.9
Southwestern Division																																	
Clinton	Maximum	50	65	67	76	88	87	86	70	73	74	73	82	87	70	67	76	67	66	75	80	77	75	74	77	66	69	79	78	75	81	81	74.5
	Minimum	37	36	42	41	58	65	62	60	51	47	50	51	60	50	47	40	57	53	48	56	61	60	58	48	47	45	48	52	56	50	56	51.4
Eldon §§	Maximum	43	63	66	75	89	87	89	79	73	73	72	84	90	71	64	76	64	69	75	84	77	75	71	75	65	68	76	78	74	80	80	74.4
	Minimum	40	37	38	38	44	61	62	59	50	47	45	47	58	62	50	39	47	52	48	55	56	58	56	53	50	48	50	52	53	53	52	50.3
Harrisonville §§	Maximum	55	52	66	75	87	84	85	65	73	73	71	83	88	68	69	76	63	62	76	81	76	73	75	77	67	72	78	79	76	83	83	73.9
	Minimum	37	37	42	45	51	64	60	60	49	55	50	51	60	59	47	40	49	49	45	54	50	50	52	52	45	44	53	54	55	54	63	50.8
Jefferson City §§	Maximum	41	63	65	74	89	89	89	80	73	76	72	83	89	75	62	76	57	68	76	82	78	76	71	75	65	68	75	76	75	78	82	74.1
	Minimum	38	35	38	36	46	68	58	57	47	45	47	45	58	64	47	39	47	48	46	56	56	55	52	48	47	47	46	51	49	50	50	48.9
Joplin	Maximum	59	68	70	81	88	87	85	76	72	80	75	81	84	71	66	79	84	68	75	80	79	73	70	77	67	70	77	77	76	80	82	76.0
	Minimum	42	41	54	54	64	73	69	61	58	53	55	55	66	53	45	49	63	54	50	62	63	62	58	54	49	48	56	59	57	54	61	56.2
Lamar §§	Maximum	61	69	72	78	90	95	90	73	77	81	77	85	88	76	70	80	86	68	79	84	79	77	74	80	72	74	82	82	80	80	85	78.8
	Minimum	38	37	37	45	50	63	62	59	52	46	49	49	59	62	43	41	45	57	47	53	55	60	57	48	45	43	47	51	48	47	50	49.8
Lebanon	Maximum	49	61	65	72	88	87	86	80	71	73	74	82	86	74	64	77	81	73	74	81	75	71	66	71	65	67	77	78	72	79	79	74.1
	Minimum	36	36	43	39	55	66	61	59	52	43	45	52	58	57	44	37	54	56	48	54	59	56	54	47	48	44	47	51	48	48	51	49.9
Lexington §§	Maximum	51	67	70	77	88	86	86	65	72	77	74	84	89	67	66	76	61	63	77	83	75	77	79	77	65	70	75	79	77	82	84	74.8
	Minimum	40	36	42	44	51	66	60	61	50	50	48	52	63	63	48	43	50	51	49	55	61	59	52	53	49	46	52	51	57	55	56	52.0
Marshall	Maximum	68	65	64	75	88	88	87	86	71	74	73	83	89	87	72	70	65	64	80	81	81	74	73	73	64	67	72	76	75	78	87	75.8
	Minimum	35	35	41	41	55	56	47	47	46	49	44	51	51	54	49	48	43	53	48	48	60	58	52	49	49	47	47	51	53	54	54	48.9
Mountain Grove	Maximum	55	61	67	69	85	85	84	80	74	74	71	80	85	81	66	75	80	78	74	80	80	71	67	76	65	69	75	76	75	79	81	74.8
	Minimum	39	37	45	40	51	63	59	59	53	45	49	49	57	58	45	41	52	60	48	54	57	59	55	49	49	44	47	52	48	49	51	50.5
Neosho	Maximum	59	68	72	80	87	87	86	85	72	80	82	86	86	83	70	79	85	84	75	82	81	80	71	76	66	72	75	75	76	80	82	78.1
	Minimum	41	39	42	50	60	67	62	55	57	43	46	54	45	61	43	40	56	63	47	55	58	61	57	48	45	42	48	47	45	43	51	50.7
Nevada	Maximum	59	70	78	77	88	89	86	81	77	80	78	83	88	83	69	79	81	66	78	81	78	77	76	79	68	72	80	80	78	84	85	78.3
	Minimum	40	38	47	48	59	67	62	61	52	47	51	50	61	56	47	40	40	56	48	55	60	60	57	48	47	44	47	54	53	49	49	51.4
Sedalia	Maximum	46	64	66	76	90	89	88	85	72	71	72	89	89	85	65	76	74	63	75	82	81	75	74	75	61	68	75	77	77	80	81	75.5
	Minimum	36	35	40	43	60	69	62	60	47	46	50	54	62	55	48	40	51	53	48	57	59	58	50	49	47	47	50	50	55	52	54	51.2
Springfield Airport	Maximum	50	61	68	71	86	84	84	79	70	75	71	80	84	72	63	75	83	66	72	79	78	70	66	76	67	67	75	74	73	76	78	73.3
	Minimum	36	37	45	44	55	62	58	57	50	44	50	51	56	49	45	39	57	54	48	52	58	58	51	50	49	44	45	50	50	49	52	49.8
Warrensburg	Maximum	49	65	68	77	88	87	87	73	75	77	74	85	90	87	67	77	67	63	75	82	76	77	77	69	75	69	74	79	77	82	84	75.9
	Minimum	35	38	43	44	59	67	62	61	63	48	48	51	60	53	48	40	51	53	47	57	58	57	51	53	47	46	49	52	57	52	55	51.8
Southeastern Division																																	
Arcadia §§	Maximum	44	63	66	70	83	91	89	84	71	71	71	81	88	83	63	77	74	75	78	84	82	79	73	76	69	71	77	80	74	78	72	75.4
	Minimum	41	34	41	31	41	60	59	62	52	41	44	37	58	60	48	38	42	50	52	52	54	56	58	48	48	46	44	50	50	46	47	48.1
Birch Tree (near)	Maximum	57	64	68	72	85	89	87	85	79	73	80	85	78	66	76	81	85	75	83	81	73	67	75	68	72	77	77	75	78	80	82	76.5
	Minimum	40	37	44	38	50	62	57	65	44	43	40	53	55	46	37	52	57	49	56	59	60	57	47	50	43	45	47	50	47	56	57	49.8
Caruthersville §§	Maximum	63	69	71	68	84	91	88	90	65	77	75	82	87	84	69	79	85	80	79	84	85	85	70	80	74	75	78	80	82	80	82	78.7
	Minimum	48	44	45	41	50	57	58	59	62	49	54	49	56	58	51	46	53	60	61	52	61	61	61	55	56	50	52	53	57	54	56	53.8
Crystal City §§	Maximum	52	63	60	80	85	91	92	85	75	75	..	85	92	84	52	75	76	69	77	85	84	76	71	75	67	71	78	80	73	78	76	[a]76.1
	Minimum	41	40	35	33	50	62	55	65	53	42	46	..	38	65	50	38	42	54	54	49	50	55	54	51	52	51	46	53	48	47	47	[a]48.9
Doniphan	Maximum	60	70	74	69	84	92	88	90	79	80	72	81	88	84	68	79	81	79	79	84	86	80	71	80	74	70	79	82	79	80	83	78.9
	Minimum	45	34	35	37	45	58	55	54	59	42	45	38	49	51	45	39	48	56	58	46	52	56	55	48	56	45	48	50	52	46	51	48.3
Farmington	Maximum	56	62	64	71	83	91	91	75	73	75	69	82	88	83	60	75	73	78	76	86	85	78	74	75	68	70	78	78	72	76	74	75.5
	Minimum	39	40	44	35	51	62	61	63	52	45	49	41	56	59	49	42	45	53	54	63	62	56	58	55	53	48	47	54	53	50	52	51.3
Jackson	Maximum	67	63	62	66	81	90	86	86	82	74	75	77	85	81	63	75	76	76	78	80	84	79	78	77	72	71	75	79	74	75	76	76.2
	Minimum	42	42	41	33	50	63	58	56	54	44	48	40	53	59	48	39	44	60	59	60	50	58	57	54	55	46	49	55	54	56	49	50.8
Poplar Bluff	Maximum	58	69	73	68	83	88	88	88	75	79	77	80	87	84	70	80	80	76	79	84	82	81	70	79	71	73	78	81	81	81	82	78.2
	Minimum	46	42	41	38	48	64	57	55	58	46	49	41	53	57	46	41	50	56	56	50	56	59	59	51	56	47	49	54	53	51	52	51.0
Rolla	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
St. Louis	Maximum	43	62	59	65	84	85	91	83	73	72	72	83	90	83	53	71	67	74	75	84	84	74	72	73	64	67	76	75	72	75	73	73.4
	Minimum	38	39	43	44	50	70	66	56	51	57	50	54	63	53	49	47	55	57	55	60	63	63	60	57	53	51	55	60	55	57	58	54.5
Salem	Maximum	54	61	62	71	85	89	88	79	72	74	70	82	88	80	66	74	74	70	74	82	82	72	66	70	63	67	74	75	70	76	75	73.7
	Minimum	39	37	42	35	54	61	62	59	53	42	48	47	59	62	47	39	49	59	50	57	54	57	55	45	47	46	47	50	49	48	47	49.9
Sikeston §§	Maximum	52	65	65	68	82	89	88	86	67	75	71	80	86	83	66	71	78	78	77	89	87	84	72	80	71	75	82	83	79	80	80	77.1
	Minimum	46	41	41	38	49	60	61	60	56	47	51	46	56	57	50	46	51	55	60	54	59	60	60	54	54	49	51	54	55	49	52	52.3
Union	Maximum	57	65	65	73	89	90	93	87	74	75	..	85	91	86	67	77	70	74	77	85	86	75	72	77	69	71	79	81	75	80	76	[a]77.4
	Minimum	41	41	40	33	51	72	54	61	50	42	..	38	51	64	50	40	44	52	51	50	52	56	51	50	50	51	48	52	48	48	47	[a]49.3
West Plains	Maximum	54	64	70	69	87	87	87	84	74	76	74	80	87	81	65	77	82	69	81	88	82	76	67	76	68	70	77	80	76	79	82	76.3
	Minimum	42	39	42	36	53	63	54	54	49	43	47	40	55	52	43	39	52	57	51	48	53	60	51	47	47	46	44	50	50	48	51	48.6
Cairo, Ill.	Maximum	50	63	58	65	81	88	87	86	68	72	69	78	85	81	64	73	76	76	76	82	84	81	71	75	67	69	75	76	73	75	73	74.1
	Minimum	43	42	46	42	52	64	66	65	56	52	54	52	61	61	53	48	55	62	61	57	64	62	58	56	54	52	57	57	58	55	58	55.6

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[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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CLIMATOLOGICAL DATA

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

VOL. XLIV JUNE 1940 No. 6

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

June 1940 was almost a normal month, as averages go. The excessive rains and resultant high water frequently characteristic of the month of June were not prevalent. The month was practically free of destructive storms, although there were some reports of lodging of small grains.

Growing conditions were generally good, and all crops showed steady improvement. Gardens and truck crops were reported the best in years, and corn and small grains improved, and harvest of the latter began the latter part of the month. A large hay crop was saved under favorable weather conditions. Pastures were good and provided ample sustenance for livestock.

Temperature conditions were practically normal, and were ideal from the standpoint of personal comfort, but the nights were generally too cool for the best growth of corn. No marked periods of high or low temperatures occurred, daily departures from normal generally running under ten degrees.

Precipitation was slightly less than normal, except in the Southwestern Division which had a slight excess, but departures from normal were one-half inch, or less, in all three Divisions of the State. Monthly amounts were irregularly distributed, with a number of stations reporting less than three inches and a few less than two inches for the month. The rains came at timely intervals and moisture was ample for current needs, except at a few stations, but sub-soil moisture continued generally deficient, and more rain was needed, particularly in the Northern and Southwestern Divisions, at the close of month.

M. R. W.

TEMPERATURE

The monthly mean for the State, 84 stations reporting, was 73.5°, or 0.1° below normal. The highest monthly mean was 77.0° at Sikeston, and the lowest monthly mean was 70.7° at Goodland. The highest recorded was 98° at St. Charles on the 6th, and the lowest was 44° at Kidder on the 24th. The greatest daily range was 46° at Doniphan on the 26th.

PRECIPITATION

The average for the State, 143 stations reporting, was 4.36 inches, or 0.28 inch less than normal. The greatest local monthly amount was 8.61 inches at Lebanon, and the least local monthly amount was 1.40 inches at Jackson. The greatest amount in any twenty-four hours was 4.00 inches (estimated) at Concordia on the 7th. The average number of days with 0.01 inch or more was 8.

MISCELLANEOUS PHENOMENA

Fog.—Dense, 8th, 11th, 12th, 13th, 19th.

Floods.—Light, in Meramec River at Sullivan (Meramec Park) on 29th.

Hail.—Light, on 4th at St. Joseph; on 6th at Anderson (near), Appleton City, Edgerton, Lexington; on 28th at Maryville.

Halos.—Solar, 7th, 13th, 14th, 15th, 18th, 20th, 23d, 24th, 28th; lunar, 12th, 13th, 14th, 15th, 16th, 17th, 19th, 20th, 30th.

Thunderstorms.—Local, 3d, 4th, 8th, 9th, 10th, 12th, 14th, 16th, 17th, 18th, 19th, 22d, 24th, 26th, 27th, 30th; more or less general, 6th, 7th, 11th, 20th, 23d, 28th.

Windstorms.—On 6th at Liberal; one person injured; damage negligible. On 23d at Amity; small grain blown down. On 28th at Gorin; not much damage, but some trees blown down.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.93*	30.23*	20	29.65*	26	6.5	21	s.	4	82*	57*	60*	78
Kan. C. Airport	29.90	30.26	20	29.53	26	10.4	34	nw.	6	79	54	52	69
St. Joseph	29.90*	30.27*	20	29.54*	26	8.1	26	nw.	23	86*	59*	63*	57
St. Louis	29.93*	30.24*	21	29.59*	26	11.2	40	s.	11	71	47	48	65
Springfield	29.94*	30.22*	29	29.68*	26	7.4	21	sw.	26	86*	57*	65*	59
Cairo, Ill.	29.95	30.21	21	29.67	23	7.0	43	n.	28	81	56	57	76
Keokuk, Iowa	29.90	30.23	20	29.59	26	7.5	34	sw.	6	75	48	50	73

* Data for Airport Station.

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	72.6	103	36	5.81	5.98	5.96	5.50	0	7	..	..	..
1889	70.7	100	38	4.66	4.29	4.57	5.13	0	6	..	..	..
1890	77.2	106	44	2.45	3.14	2.49	1.71	0	6	..	..	..
1891	73.2	103	46	6.56	5.61	7.99	6.08	0	13	..	..	..
1892	74.5	100	45	3.09	3.04	3.72	2.52	0	7	15	9	6
1893	72.6	98	40	4.72	4.92	3.91	5.32	0	9	12	12	6
1894	74.5	105	35	3.74	4.28	4.92	2.03	0	7	16	11	8
1895	73.3	100	42	5.87	6.07	6.33	5.20	0	10	12	11	7
1896	72.5	101	45	3.98	3.32	3.63	5.00	0	9	12	11	7
1897	73.6	102	38	6.25	6.49	5.74	6.51	0	12	9	14	7
1898	75.3	100	49	5.92	6.32	6.54	4.90	0	11	13	12	5
1899	74.3	101	42	3.92	3.71	4.83	3.21	0	9	15	10	5
1900	73.3	103	44	5.05	3.71	5.06	6.37	0	10	12	12	6
1901	77.9	106	40	2.02	2.67	1.47	1.92	0	6	18	10	2
1902	70.9	100	37	6.42	6.64	6.95	5.68	0	12	11	10	9
1903	67.3	95	36	3.28	2.96	3.78	3.09	0	9	15	9	6
1904	70.5	93	45	6.68	5.31	8.23	6.51	0	11	12	12	6
1905	75.2	103	42	3.14	2.84	3.06	3.52	0	7	15	10	5
1906	72.7	101	40	4.82	3.28	6.62	4.55	0	10	15	9	6
1907	71.2	97	40	5.47	5.76	6.40	4.24	0	11	14	10	6
1908	72.3	98	43	6.01	6.92	6.78	4.33	0	11	13	10	7
1909	73.9	98	48	5.23	5.96	5.78	3.95	0	11	11	13	6
1910	70.4	99	38	4.11	3.08	4.69	4.57	0	8	16	7	7
1911	78.9	112	43	1.76	0.93	1.59	2.77	0	6	18	8	4
1912	69.5	100	42	4.77	3.31	5.39	5.62	0	9	14	8	8
1913	75.4	107	33	2.55	3.01	2.31	2.32	0	6	18	8	4
1914	79.3	106	43	2.26	3.11	2.50	1.17	0	5	18	7	5
1915	70.8	98	38	6.45	7.53	7.24	4.57	0	12	11	10	9
1916	70.0	100	42	5.86	5.05	6.50	6.04	0	10	14	9	7
1917	71.0	103	35	3.67	5.72	2.20	3.10	0	8	19	7	4
1918	77.2	110	48	3.09	3.01	3.20	3.04	0	7	17	8	5
1919	75.0	104	44	5.58	5.04	6.24	5.47	0	11	14	10	6
1920	72.7	104	41	2.35	3.09	2.14	1.83	0	6	18	7	5
1921	76.6	105	44	5.81	4.74	7.74	4.96	0	12	12	10	8
1922	76.5	108	43	1.61	1.72	1.39	1.72	0	5	19	8	3
1923	73.5	103	45	5.56	5.30	6.52	4.87	0	11	14	9	7
1924	72.5	101	38	7.27	8.53	7.70	5.57	0	14	12	12	6
1925	76.5	103	46	5.99	7.68	4.99	5.31	0	9	15	10	5
1926	70.9	101	37	3.60	5.02	3.79	1.99	0	8	15	9	6
1927	70.3	99	41	5.81	5.38	6.77	5.28	0	10	15	7	8
1928	67.7	91	40	11.25	8.59	11.03	14.12	0	15	8	11	11
1929	71.3	99	39	5.69	6.57	5.98	4.52	0	10	16	8	6
1930	72.4	109	36	3.77	5.17	4.63	1.52	0	7	18	8	4
1931	77.1	107	40	2.75	4.09	1.81	2.35	0	6	19	8	3
1932	75.2	103	47	4.81	5.53	6.09	2.82	0	10	12	12	6
1933	78.4	107	38	1.47	2.89	0.92	0.61	0	3	22	6	2
1934	80.4	108	47	2.82	2.92	2.72	2.83	0	7	17	10	3
1935	69.6	98	39	8.95	6.73	11.06	9.07	0	15	9	12	9
1936	76.5	112	40	1.42	1.30	1.38	1.57	0	4	21	6	3
1937	74.4	105	43	4.93	3.43	5.79	5.56	0	10	14	10	6
1938	72.4	98	44	4.77	4.20	5.01	5.06	0	10	13	11	6
1939	74.6	99	41	5.64	7.70	5.38	3.83	0	12	11	13	6
1940	73.5	98	44	4.36	4.24	5.10	3.75	0	8	13	10	7
....	....	..	..	....	....	....	....	..	..	..	..	..
Period	73.6	112	33	4.64	4.68	4.99	4.25	0	9	14	10	6

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Climatological Data for June 1940

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	45	72.5	+ 0.5	91	27	52	11	34	47	6.11	+1.05	2.09	0	8	15	11	4	se.	A. S. Cumming
Brunswick	Chariton	652	59	73.8	+ 0.8	93	5†	53	1†	37	61	4.00	−1.11	1.55	0	9	18	3	9	sw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	2	73.4	......	92	6	52	1	31	10	3.21	−1.57	1.17	0	8	12	13	5	sw.	Lockmaster
Chillicothe	Livingston	779	31	73.0	+ 0.7	92	30	53	1	32	34	3.77	−0.96	0.96	0	9	16	8	6	sw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	41	71.6	− 0.8	91	1	52	1†	33	31	2.74	−1.65	0.63	0	8	13	12	5	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	50	74.0	+ 0.6	93	6	55	25	31	50	5.91	+1.15	2.97	0	8	10	16	4	s.	U. S. Weather Bureau
Conception	Nodaway	980	51	72.8	+ 1.3	93	17	52	24†	32	56	5.41	+0.46	1.76	0	7	13	11	6	s.	Fr. Adelhelm Hess
Edgerton	Platte	856	20	73.0	+ 1.1	94	26	46	29	36	29	4.85	−0.02	1.58	0	7	17	4	9	s.	Fred L. Stiff
Elsberry	Lincoln	449	9	73.6	− 0.8	95	6	51	25	34	9	7.60	+4.16	2.95	0	6	10	17	3	nw.	Ray E. Mills
Fayette	Howard	760	60	72.7	− 0.1	92	6	53	1†	34	57	2.53	−2.04	1.03	0	7	21	3	6	s.	Irvin E. Schnell
Fulton	Callaway	818	52	73.0	− 0.2	94	5†	52	1	36	48	7.06	+2.66	2.21	0	6	17	9	4	sw.	Clyde C. Herring
Grant City	Worth	1,134	36	72.3	+ 1.5	91	18†	48	29	34	48	3.29	−1.71	0.92	0	6	7	14	9	sw.	Howard Rybolt
Hannibal	Marion	759	48	73.1	+ 0.6	93	6	54	21	31	56	3.34	−0.56	1.00	0	7	11	8	11	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	51	74.7	+ 1.1	93	30	55	24	29	51	3.84	−1.15	1.17	0	8	4	15	11	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	2	73.0	......	92	30	51	29	40	2	5.28	....	1.06	0	8	10	13	7	s.	University of Kansas City
Kidder	Caldwell	1,020	48	72.2	+ 0.4	91	26†	44	24	34	52	5.05	+0.08	1.85	0	11	21	4	5	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	51	73.0	+ 1.3	92	9	53	29	33	58	2.38	−2.68	0.66	0	7	10	17	3	sw.	Howard Coons
Lawson	Ray	1,070	2	72.4	......	91	26†	51	29	32	2	3.16	......	1.44	0	8	9	15	6	sw	Elmer E. Lamb
Louisiana	Pike	469	46	75.0	+ 2.9	96	6	50	21	36	59	3.89	−0.34	2.00	0	7	15	12	3	w.	Stark Bro's Nurseries
Macon	Macon	875	41	73.0	+ 0.6	93	6	53	24†	33	47	5.26	+0.54	2.49	0	11	16	8	6	sw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	50	72.1	+ 2.3	93	18	50	29	33	46	3.28	−1.83	0.66	0	9	13	8	9	se.	R. B. Montgomery
Memphis	Scotland	787	1	72.8	......	92	9	52	29†	39	10	1.73	−3.40	0.95	0	5	16	1	13	sw.	John W. Alexander
Mexico	Audrain	800	51	74.0	+ 0.8	96	6	53	29	35	62	6.63	+1.89	3.13	0	7	20	6	4	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	3	73.2	......	93	6	49	24	37	3	2.78	......	0.89	0	5	19	8	3	s.	Beverly Coomes
Oregon	Holt	1,048	84	73.6	+ 1.4	95	30	51	29	32	84	4.57	−0.80	1.44	0	7	14	13	3	se.	Miss Mina Wright
St. Charles	St. Charles	520	52	76.6	+ 2.7	98	6	57	21	37	62	1.76	−2.24	1.16	0	4	20	9	1	s.	Martin L. Comann
St. Joseph	Buchanan	957	30	73.8	+ 0.1	95	30	55	29	30	68	4.72	−0.23	1.39	0	9	12	11	7	s.	U. S Weather Bureau
Steffenville	Lewis	650	42	73.4	+ 0.8	94	6	52	1†	35	47	3.31	−1.23	1.05	0	7	13	13	4	s.	Frank Hall
Tarkio	Atchison	916	37	72.3	+ 0.5	97	18	52	29	35	46	2.57	−2.39	0.89	0	8	13	7	10	sw.	Albert Volker
Trenton	Grundy	822	44	74.8	+ 2.6	93	17	52	29	35	45	4.37	−0.67	1.44	0	8	16	11	3	s.	W. H. Estes
Unionville	Putnam	1,062	47	72.9	+ 1.6	92	17	50	29	35	47	3.15	−2.04	1.00	0	8	22	4	4	sw.	John H. Schick
Warrenton	Warren	816	58	73.4	0.0	91	5†	54	8†	33	50	7.16	+3.38	2.51	0	7	6	19	5	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	68	74.7	+ 2.2	92	6	55	21	28	68	2.18	−1.95	0.89	0	7	5	17	8	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**73.3**	**+ 0.9**	**98**	**6**	**44**	**24**	**40**	..	**4.24**	**−0.44**	**3.22**	**0**	**7**	**14**	**10**	**6**	**sw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	36	72.0	− 0.7	90	18†	48	1	35	41	7.40	+1.47	1.84	0	12	10	16	4	e.	E. S. Taylor
Appleton City	St. Clair	813	45	72.5	− 1.9	95	6	50	29	36	48	6.61	+1.59	2.47	0	8	16	3	11	sw.	Rolla Brown
Bolivar	Polk	1,071	37	73.4	+ 0.6	94	27	51	1†	29	45	3.22	−2.09	0.96	0	10	11	14	5	sw.	Southwest Baptist College
Boonville	Cooper	650	2	73.4	......	93	6	55	24	27	63	3.60	−1.45	1.80	0	8	17	6	7	se.	Boonville Water Dept.
Carthage	Jasper	962	6	73.5	......	92	23†	51	29	33	16	6.59	......	2.83	0	11	13	12	5	sw.	Carthage W. and E. Plant
Clinton	Henry	786	47	73.0	− 0.8	94	6	52	29	33	53	6.32	+1.42	2.22	0	9	2	20	8	sw.	U. S. Weather Bureau
Eldon	Miller	934	45	73.0	0.0	96	6	55	1†	34	41	4.40	+0.36	1.79	0	8	9	11	10	sw.	E. H. Shepherd
Harrisonville	Cass	904	62	72.4	− 0.7	91	6	50	24	32	65	7.20	+2.41	2.22	0	10	6	11	13	sw	John H. Patterson
Jefferson City	Cole	557	50	72.2	− 1.6	92	5†	51	29	33	58	4.85	+0.62	1.61	0	7	15	10	5	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	18	74.5	+ 1.1	92	27	57	24	25	35	7.21	+1.21	1.62	0	8	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	9	73.1	......	93	6	50	1	36	9	4.42	......	1.78	..	6	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	52	73.6	− 0.6	95	6†	51	29	38	59	4.47	−1.07	1.15	0	10	17	9	4	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	52	72.2	− 0.5	92	6†	52	25†	38	53	8.61	+3.44	2.37	0	9	4	21	5	s.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	55	74.2	+ 1.3	93	6†	54	24	30	56	4.50	−0.05	1.62	0	11	19	6	5	sw.	Miss Carrie Loomis
Lockwood	Dade	1,078	34	72.8	− 0.8	94	27	52	29	32	44	4.69	−0.99	1.72	0	10	11	17	2	sw.	Hubert A. Nieman
Marshall	Saline	779	53	73.8	+ 0.6	91	26	51	20	31	50	4.05	−0.75	1.36	0	9	20	7	3	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	39	72.6	+ 0.8	91	9†	54	25†	31	43	3.55	−1.39	1.14	0	12	9	20	1	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	28	73.2	− 0.1	94	27	52	1†	33	40	5.53	+0.27	1.50	0	8	9	12	9	sw.	G. H. Boswell
Neosho	Newton	1,011	53	72.9	− 0.9	90	8†	50	1	35	57	4.35	−1.62	1.42	0	10	12	11	7	s.	U. S. Fisheries Station
Nevada	Vernon	862	47	74.0	+ 0.5	95	6	51	29	34	48	5.75	+0.30	1.47	0	10	15	5	10	sw.	Henry Kraft
Ozark Beach	Taney	700	..	....	......	..	..	..		..	15	2.12	−3.76	1.24	0	5	..	..	..	......	V. Smith
Sedalia	Pettis	910	27	71.4	+ 0.2	93	5†	52	24†	31	29	4.88	−0.40	1.77	0	8	19	3	8	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	39	71.6	− 0.8	90	27	55	1†	26	37	3.61	−1.34	1.49	0	9	16	8	6	sw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	34	71.5	− 0.2	90	27†	50	2†	35	34	4.92	−0.42	1.72	0	7	14	8	8	se.	A. L. Hailey
Springfield	Greene	1,301	52	72.0	− 0.5	93	27	50	29	33	52	2.51	−2.17	1.06	0	8	10	9	11	s.	U. S. Weather Bureau
Versailles	Morgan	1,037	13	72.2^{f}	− 2.5	92	6	52	30	35	16	4.72	−0.11	2.00	0	6	11	16	3	w.	Robert Otten
Warrensburg	Johnson	878	53	73.8	− 0.1	92	5	52	24	31	60	4.69	−0.37	1.64	0	7	15	6	9	se.	E. A. Markey
Warsaw	Benton	687	39	74.1	+ 0.3	95	5†	50	1	39	45	6.53	+1.23	2.27	0	9	14	11	5	w.	Everett Martin
Division means	**and extremes**	.....	..	**73.0**	**− 0.3**	**96**	**6**	**48**	**1**	**39**	..	**5.10**	**+0.11**	**4.00¶**	**0**	**9**	**13**	**11**	**6**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	3	74.6	......	97	26	51	2	43	3	2.64	......	1.23	0	6	7	15	8	sw.	U. S. Weather Bureau
Arcadia	Iron	926	59	72.2	+ 0.4	94	26	50	2†	42	62	3.59	−0.55	2.73	0	13	13	10	7	sw.	Arcadia College
Birch Tree(near)	Shannon	1,000	45	72.6	− 0.1	94	27	50	1†	39	46	2.94	−1.47	0.96	0	8	19	6	5	s.	V. H. Kirkendall
Campbell	Dunklin	314	14	76.8	+ 1.3	97	5†	55	1	34	14	4.15	−0.09	1.73	0	10	12	14	4	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	44	76.6	− 1.8	95	6†	55	1	36	48	2.69	−1.12	0.66	0	11	19	2	9	se.	Victor T. Malloure
Crystal City	Jefferson	420	6	73.0	......	94	6	50	2†	39	6	2.86	......	1.48	0	9	10	10	10	......	Frank Magre
Doniphan	Ripley	344	36	75.8	+ 0.8	96	7†	49	1	46	36	4.37	+0.01	1.95	0	9	16	4	10	sw.	Boyce Lackey
Farmington	St. Francois	896	29	74.4	+ 1.6	94	6	53	30	37	43	3.94	+0.06	2.36	0	8	8	10	12	s.	F. M. Karsch
Goodland	Iron	1,000	47	70.7	− 1.2	92	6	45	3	41	47	7.03	+2.97	3.09	0	12	13	7	10	s.	F. M. Adams
Greenville	Wayne	381	31	73.6	0.0	95	25†	49	1	43	33	3.05	−1.64	1.75	0	5	14	12	4	sw.	Beuford Shoemake
Jackson	Cape Girardeau	428	49	74.0	− 0.1	93	6†	49	1	40	50	1.40	−3.29	0.63	0	5	14	15	1	se.	L. R. Crites
Koshkonong	Oregon	958	39	73.8	− 0.6	92	6†	55	1	31	40	3.68	−0.82	1.30	0	9	14	12	4	sw.	R. M. Hitt
Licking(near)	Texas	1,170	3	72.8	......	94	27	48	1†	37	3	4.05	......	0.98	0	10	20	3	7	sw	U. S. Forestry Service
Marble Hill	Bollinger	470	45	74.6	+ 0.6	95	6†	50	30	41	47	2.01	−2.47	0.84	0	7	13	16	1	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	35	75.2	− 0.2	94	5†	53	1†	38	36	3.31	−0.81	1.75	0	8	18	10	2	s.	Mrs. J. H. Wolpers
Rolla	Phelps	1,202	40	....	......	..	..	..	..	..	56	....	......	....	..	..	..	..	..	......	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	103	76.2	+ 1.2	94	6	58	21	28	103	2.66	−1.16	1.12	0	6	12	9	9	sw.	**Section Center**
St. Louis Airport	St. Louis	556	3	75.4	......	91	6	55	21	36	9	2.17	......	0.96	0	7	5	11	14	sw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	28	76.3	+ 1.1	94	6†	56	21	30	28	2.35	−1.24	1.09	0	5	18	10	2	s.	St. Louis University
Salem	Dent	1,173	36	71.7	− 0.7	91	6	49	1	33	39	4.96	+0.31	1.69	0	12	16	9	5	s.	E. E. Martin
Sikeston	Scott	318	33	77.0	+ 2.7	97	5†	54	2	37	43	3.87	−0.32	1.30	0	9	8	21	1	sw.	Mrs. Hazel P. Young
Union	Franklin	520	2	73.8	......	95	6	52	2†	38	23	4.31	+0.01	1.95	0	6	17	7	6	s.	Robert Mueller
Wappapello Dam	Butler	475	1	74.8^{a}	......	94	19†	52	30	38	1	2.24	......	1.42	0	9	19	6	5	sw.	J. E. Harns
West Plains	Howell	1,005	3	72.3	......	94	27	49	1	39	3	2.51	......	1.63	0	9	5	12	13	s.	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	68	75.4	− 0.9	92	26	58	1	30	69	3.17	−0.66	1.54	0	10	8	9	13	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**74.3**	**− 0.2**	**97**	**5†**	**45**	**3**	**46**	..	**3.75**	**−0.50**	**3.56**	**0**	**8**	**13**	**10**	**7**	**sw.**	
State means	**and extremes**	.....	..	**73.5**	**− 0.1**	**98**	**6**	**44**	**24**	**46**	..	**4.36**	**−0.28**	**4.00**	**0**	**8**	**13**	**10**	**7**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing: for example, ^{b}, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for June 1940

Stations	Drainage basins	Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Northern Division																																	
Amity[2]	Grand				.67	.12		.22			1.49	.65	2.23	.02							.33	.24		.91	.29			.05	T.				7.22
Bethany	do				.25		.07	.08			.83	1.25	.41											2.09					1.13				6.11
Bowling Green[2]	Mississippi							.35	.10			.36	1.23												.61				1.37				4.05
Brunswick[2]	Grand					T.		.80	.16		.05	.15	.93	.03										1.55	.30				.03				4.00
Canton, Lock No. 20[2]	Mississippi							.13	.01		.28	.12	1.17	T.						.74				.33	.14			T.	.26				3.21
Centralia[2]	do.							1.61			.15	.45	1.41					.25							1.05				.15				5.07
Chillicothe[2] (A)	Grand					.16		.78	.04		.14	.36	.96	T.							T.			.66	.01				.66				3.77
Clifton Hill	Chariton				.03			.47	.47		.40	.63	.02											.63					.09				2.74
Columbia [1]‡	Missouri						1.35	.19		.01	.59	.77	T.				.02							2.97				T.	.01				5.91
Conception	do				1.35		T.				T.	.80	.76							T.	.42		.03	1.76					.29				5.41
Edgerton	Missouri				.38		1.42	.03				1.58	.08								.95		T.	.41									4.85
Edina[2]	Mississippi							T.			.30	.07	1.03							T.				.45	.26				.28				2.39
Elsberry	do										.86		1.19	2.95										.59	.96				1.05				7.60
Farber[2]	do							1.12	.04		.10	.40	1.70											.46	.42				1.70				5.94
Fayette	Missouri				.09			.50			.21	.69	.01				T.							*	1.03								2.53
Fulton[2]	do							2.21	.08			1.47	1.65											T.	1.24				.41				7.06
Gallatin[2]	Grand					.30					.80	.30	1.05	T.										1.09	.20				.63				4.37
Gorin	Mississippi				T.		T.	T.		T.		.67	.28							.17				.21	T.				.26				1.59
Grant City	Grand				.51							.40	.65								.06			.75					.92				3.29
Hannibal[3] (A)	Mississippi						.40	T.	.22		.21	1.00							.37					.35					.79				3.34
Hermann[2]	Missouri							1.39			.04	1.36	.62												1.00				1.80	.03			6.24
Kahoka[2]	Mississippi								.12		.04		1.15							.10					.24				.20				1.85
Kansas City Airport [1]‡	Missouri	T.			.64		.08	.16		.44	.30	.94	T.								.65		T.	.63					T.				3.84
Kansas City University	do				.99		.46	.24			.61	.87	.01								1.06			1.04									5.28
Kidder[2]	Grand					.19		.14			.46	.36	1.85	.08							.12	.19		1.51	.08				.07				5.05
King City	Missouri				1.20						.60	1.20	.30								.53			1.60					.05				5.48
Kirksville	Mississippi				.04						.51	.66	.04			.04								.41					.65				2.38
LaBelle[2]	do							13				.15	.46							.31				.48	.11				.29				1.93
Lawson	Missouri				.09		.22	.10			.09	1.44	.08								.39			.75									3.16
Linneus[2]	Grand					.13		.19	.06		.89	.23	1.53										T.	.91	.01				.80				4.75
Louisiana	Mississippi							.40			.10	2.00												.30	.46		.03		.60				3.89
Lucerne[2]	Grand					.23		.39	.07		.62	.37	.59	.04										.47					.44				3.22
Macon[2]	Chariton					.02		.14	.10		.31	.15	1.32	.02								.02		.63	.06			T.	2.49				5.26
Madison[2]	Mississippi							.90	.18		.23	.13	2.22							.03					.38			.03	1.24				5.34
Maryville	Missouri				.66		.32	T.				.40	.25							.01	.50		.09	.58					.47				3.28
Memphis[2]	Mississippi					T.		T.			T.	.20	.95							.05				.24					.29				1.73
Mexico[2]	do							1.15	.05			.70	2.43							.20					1.30				.80				6.63
Milan[2]	Grand					.18		.23			.21	.10	1.33											.22					1.40				3.67
Moberly	Mississippi				T.			.57			.32	.89												.64					.36				2.78
Monroe City	do							.91			.02	1.13								.77				.48			T.		1.21				4.52
Oregon	Missouri				.30	T.	.20				T.	.91	.16	.16							1.40		T.	1.44									4.57
Palmyra[2]	Mississippi						.50		.16		1.70	1.00													.48				.73				4.57
Paris[2]	do							.95	.04		.02	.19	1.29							.19					.38			T.	1.53				4.59
Perry[2]	do							.85				.35	.80	.10						.40					.85				1.65				5.00
Philadelphia[2]	do							.74	1.21		.40	.55								.79				.19	.10				.54				4.52
St. Charles[2]	Missouri							.20					.10		T.	T.									.30				1.16				1.76
St. Joseph[1]‡	do	T.			1.34		.03	.01		.26	.16	1.38	.03	T.					T.		.78			.73			T.	T.	T.				4.72
Saverton, Lock No. 22[2]	Mississippi							.51			.05	.22	.77							.02					.64			T.	.49				2.70
Shelbina	do							.78		.22		.22	.98							.11				.18	.42				1.50				4.41
Shelbyville[2]	do							.92			.35		.78							.38					.42				.92				3.77
Steffenville	do						.07	.50			.03	.67								1.05					.31				.68				3.31
Tarkio	Missouri			.38			.02					.48	.12								.89		.06	.42					.20				2.57
Trenton	Grand				.24			T.		.37		1.44	.24	.02		T.			T.		T.	.05	T.	.59			T.		1.42				4.37
Troy[2]	Mississippi							.36			.80	1.57	1.65					.32							.78				2.00				7.48
Unionville[2]	Chariton					.12		.36			1.00	.22	.32	.17										.73					.23				3.15
Warrenton	Mississippi							1.08			.12	2.51						.05	T.		T.			.55	.93				1.92				7.16
Keokuk, Iowa[1]‡	do						T.	T.	.04		.08	.88	.01					T.	.60		T.		T.	.28			T.		.29		T.		2.18
Southwestern Division																																	
Altona[2]	Osage				.23		.68			.50	2.07	.11						T.			.35	.65		.81									5.40
Anderson (near)	Neosho				T.		.68		T.	.09	1.81	.19	.03			.08	.15	1.16	.09		.08			T.	1.18				1.83				7.40
Appleton City	Osage				.05		1.30	.03			2.47	.48	.02				T.	T.			.90		T.	1.36									6.61
Bolivar	do				T.		.01	.55			.08	.96	.01				.03	.16			T.			.39	.43				.60				3.22
Boonville[2] (A)	Missouri					.02		.79			.24	.48	.19					.08						1.08	.72								3.60
Buffalo[2]	Osage							.70			.94	2.36	.36									.16			1.60					.32			6.44
Caplinger Mills	do						1.24	.32			.68	.17						.67						1.12					T.				4.20
Carthage	Neosho				T.		.01	2.82	.25		.40	.17	T.				.03	.33			.77			.64	.98				.19				6.59
Clinton[4]	Osage				.10		2.19	.03		.04	1.69	.20	T.					.05			.78			1.24					T.				6.32
Concordia[2]	Missouri					.12		4.00			.54	.58	.59									.18		.20	.71								6.92
Eldon[2]	do							1.79			.02	1.33	.19					.01			.16	.30			.60								4.40
Galena[2]	White							.73			T.	.98													.84					.12			2.67
Halley	do						.07		.45		.48	.33									.67				.44				.23				2.67
Harrisonville[2]	Osage					1.09		.55			.50	2.22	.10						.20		1.15	.83		.05	.51								7.20
Jefferson City[2]	Missouri							1.54			.17	1.10	.54						.15						1.25				.10				4.85
Joplin[3]	Neosho						1.62	.22			1.50	.63						.56	T		.64			1.50					.54				7.21
Lakeside[2]	Osage							.95			.01	1.00	.23								T.	.45		T.	1.78			T.	T.	T.			4.42
Lamar[2]	Neosho					.05		.37	.42		60	.75	.15								.20	.53			1.15					.25			4.47
Lebanon	Osage						.47	1.10			.89	.93						.44			.87			1.27	.27				2.37				8.61
Lexington[2]	Missouri				.01	.18		.75			.18	.90	.59								.04	.21		1.22	.40				.02				4.50
Lockwood	Osage				.06		.40	1.32			.37	.25						.72			.22			.70	.47				.18				4.69
Marshall	Missouri				.11		.60	.76			.70	.82	T.		.05						.14			.81	.06								4.05
Mountain Grove	White						.03	.02			1.14	1.08	.02		.02		.02	.23	.04		.78				.11				.06				3.55
Mount Vernon	Neosho						1.15	.10		.08	1.20	.20									.20				1.10				1.50				5.53
Neosho	do				T.		.27	.51			.30	.68	.01				T.	.28	.02		.01				1.42				.85				4.35
Nevada	Osage				.10		.96	.22			1.47	.33	.02				T.	.96			.32			1.29	.08								5.75
Osceola[2]	do					.05		1.04	.10		.10	.94	.03					.05	.10			.92			3.85								7.18
Ozark Beach[2]	White									.08	.42	1.24													.18					.20			2.12
Pleasant Hill[2]	Osage					.50		.68			1.05	1.48	.12		T.				T.		.88	.40	T.	.10	.78								5.99
St. Thomas (near)[2]	do.							.99				3.00	.27									.05			1.13								5.44
Sedalia	Missouri				.07		.95	.82			.21	1.18									.40			1.13	.12			T.	T.				4.88
Seligman	Neosho								.51	.04	.68	.17	.03					.28	.09					T.	.32				1.49				3.61
Seymour (near)	White							.37			.16	1.72					1.10				1.03				.42				.12				4.92
Springfield[1]‡	do						.10			T.	.16	.90	.01				T.	T.	T.		.29			.80	.08				.17				2.51
Stover[2]	Missouri							1.03			*	2.60									.45				1.02								5.10
Versailles	Osage				T.			2.00	.15		T.	1.02	T.				T.				.73			*	.82								4.72
Warrensburg	Missouri				.12		1.20	.41			.63	1.06									.30		T.	.94				T.	T.				4.69
Warsaw (A)	Osage					.13		1.19	.14		.28	.75	.40								.77	.60			2.27								6.53
Waverly[2]	Missouri					.17		.65	.11		.53	.50	1.20								.30	.15		1.45	.60				.02				5.68

Continued on next page

Daily Precipitation for June 1940—Continued from preceding page

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Southeastern Division																																	
Advance⁴	St. Francis							.74		T.	T.	T.		T.	.13	T.	.05	T.	.47		T.			.02	T.				1.23				2.64
Annapolis	...do						.09				.07	.12			.05			.15			.05			.12	.08				1.78				2.51
Arcadia³	...do							.03		.12	T.	.11	.41	.02	.01	.02		.03	.05	T.		.05			.01				.95	1.78			3.59
Belleview	Meramec																																....
Birch Tree(near)	Black							.36	.68		.06	.96					.09	.22			.45								.12				2.94
Bragg City²	St. Francis									.05	1.37	T.			.37				.35	.30		.02			T.					.87			3.33
Campbell	...do									.04	.22	.28			.15		.17	.06	1.17	.02	.31								1.73				4.15
Cape Girardeau²	Mississippi								.37		.40	.59	.30		.05	T.		.10	.04	.05		.03			T.	T.			T.	.80			2.73
Caruthersville³	...do									.29	.12		.24		.50	.05			.50	.11		.07			.05	.10				.66			2.69
Centerville³	Black							.04	.05	.29		.28	.52		.17	.16	T.		.15			.11			.05				1.42	1.00			4.24
Crystal City³	Mississippi								.31			.07	.30		.02	.24			.15						.29				.54	.94			2.86
Cuba³	Meramec							.79				.45	1.26												1.63					2.33			6.46
Dexter³	St. Francis								T.		1.72	.57	.02		.31		T.			1.19					.02				T.	2.40			6.23
Doniphan	Black								.22		.50	.12	.02				.45	.07	.72		.32								1.95				4.37
Farmington	St. Francis							T.	.19		.03	.87			.44		.02	.01			T.			.02					2.36				3.94
Fisk²	...do							.07	T			1.24	.13		.17				.15	.65		.09								2.13			4.63
Fredericktown³	...do							.10				.68	.04		.10	.10		T.	.35										.48	1.39			3.24
Goodland	Black							.31	1.19		.04	1.40	.08		.35	.19	.04	.02			.04			.28					3.09				7.03
Greenville	St. Francis							T	T.		.30	.35					.50	.15	T.					T.					1.75				3.05
Jackson	Mississippi							.10			.07				.33				.27										.63				1.40
Jerome³	Gasconade							.11	1.29			2.00	2.18			.06			.05			.22			.09					1.50			7.50
Koshkonong	Black								.45	.07	.81	1.30					.08	.16	.22		.31								.28				3.68
Leeper²	...do							.07				.60			.15		.10	.25	.10	.08		.40								1.47			3.22
Licking (near)	Gasconade							.70	T.		.98	.88	.21		.11			.02			.71			.05	.17				.22				4.05
Marble Hill	Mississippi							.12				.40			.12		.10		.18						.25				.81				2.01
Meramec Park²	Meramec								.70			.18	1.10												.95				3.56				6.49
Morehouse	Mississippi							.13			.77	.35	T		.15			.04	.33						.03				1.75				3.55
New Madrid²	...do								T.	.06	.09	.03	.31		.32	.06		.12	.37	.82		T.						T.	T.	2.01			4.19
Owensville²	Gasconade							.98	.86	.14	.38	1.24													.94				1.37				5.91
Pacific²	Meramec							.40				.15	.61												.70				1.78	.01			3.65
Parma³	St. Francis									T.	.04	.05	.10			.60	T.			.39	.80	.02	.08							1.66			3.74
Poplar Bluff² ....(A)	Black											.47	.22		.13		.10	.20	T.	.22		.22			T.					1.75			3.31
Richwoods²	Meramec							.40	.70		.10		.85		.10										.55				1.92	1.25			5.87
Rolla⁴	...do																																....
St. Louis:																																	
City Office¹‡	Mississippi						T	.20			T.	.90			.04		T.	.19	T.	T.	T.			.21			T.	T.	1.12				2.66
Airport⁴‡	Missouri						T.	.30	T.			.49			.06		.10	.05	T.		T.			.21	T.		T.	T.	.96				2.17
St. Louis Univ.....³‡	Mississippi							.17				.80			.04			T.	T.					.25					1.09				2.35
Washington Univ.³‡	...do							.33	.04		.03		.94		.03	.05			.01						.29				1.92				3.64
Salem²	Meramec							.13	1.22		.09	.11	1.69		.10			.12	.08			.12			.59				.49	.22			4.96
Sikeston²	Mississippi	T.						.07	.15	.60			.15		.61	T.	T.	.63	.20	.16		T.								1.30			3.87
Union	Meramec							.41				1.11			.02									.50	.32				1.95				4.31
Valley Park²	...do							.53	.10		T.	T.	.63		T.	.05			.04	T.		T.			.50			T.	1.70	.20			3.75
Van Buren	Black							.07	1.01		.21	.35			T.			.11			.43								.47				2.65
Wappapello Dam³	St. Francis							.04				.11	.10		.31			.08	.07	.05		.06			T.				T.	1.42			2.24
West Plains⁴	Black							T.	.05	T.	.37	1.48			T.	T.	T.	.08	.24		.07			.01	.01				.20				2.51
Williamsville²	...do							.14	.11	.08		.25	.30		.05			.05	.05	.31		.60							.16	.92			3.02
Willow Sprgs (near)²	White							.19	.08	.29		1.09					.21	.07	.05	.38					.21					.07			2.64
Zalma(near)³	Mississippi							.02	.33			.64			.10		.32		.25	.11					.01					1.11			2.89
Cairo, Ill.¹‡	...do							.73	T.	T.	.16	.07			.32	.03	T.	.07	.22		.02				.01			T	1.51				3.17

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖‖ Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Springfield City Office, Steffenville, Tarkio, Versailles, Wappapello Dam, Warsaw, and Washington University(St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for June 1940

(See precipitation data in daily precipitation table)

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Monthly
Lakeside (Osage Dam)	Evaporation	.227	.231	.246	.345	.137	.275	.307	.251	.234	.216	.153	.116	.080	.135	.222	.228	.222	.209	.202	.219	.073	.245	.219	....	.245	.253	.356	.222	.222	.264	....	6.576
	Mean temperature	68	70	74	75	75	78	76	76	76	74	72	66	67	72	74	74	76	77	76	68	70	76	77	68	69	74	78	79	67	70	..	73.1
	Wind movement	22	17	26	50	19	29	52	46	14	37	33	67	29	12	14	15	24	29	21	29	12	55	85	47	46	53	69	62	46	32	..	1,092
St. Louis (Washington University)	Evaporation	.124	.206	.262	.286	.207	.253	.228	.140	.228	.256	.216	.134	.160	.154	.100	.096	.305	.184	.165	.250	.259	.260	.259	.163	.136	.351	.287	.297	.186	.255	....	6.417
	Mean temperature	70	71	76	74	80	79	76	78	78	78	78	72	73	73	78	78	78	80	78	70	69	76	80	68	70	76	80	72	68	72	..	75.0
	Wind movement	35	21	32	33	30	24	36	28	19	28	23	27	23	20	18	15	30	36	29	50	24	29	41	53	44	38	37	29	55	31	..	938

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports respectively. * Included in next measurement.

ERRATA

November 1939, page 55: Mean temperature at Maryville should be 41.8, departure should be + 2.4; greatest precipitation in 24 hours at Farmington should be 1.25.

December 1939, page 60: Date of maximum temperature at Clifton Hill should be 18.

Annual 1939, page 66: Mean temperature at Maryville for November should be 41.8, departure should be + 2.4, annual mean should be 54.8.

March 1940, page 12: Mean temperature at Rolla should be 42.8, departure should be − 2.7; mean temperature at West Plains should be 43.8; page 14, precipitation on 6th and 29th at West Plains should be T.; page 15, maximum temperature at Rolla on 2d should be 70, mean maximum should be 52.3; maximum temperature at West Plains on 3d should be 40, mean maximum should be 56.5; minimum temperature at West Plains on 2d, 4th, 18th, 23d, 24th, and 28th should be 40, 34, 30, 25, 14, and 54 respectively, mean minimum should be 31.2.

May 1940, page 24: Mean temperature at Clinton should be 62.8, departure should be − 2.7, greatest precipitation in 24 hours should be 0.90; page 27, minimum temperature at Clinton on 8th, 23d, and 29th should be 56, 53, and 55 respectively, mean minimum should be 51.0.

Daily Temperatures for June 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum...	88	89	90	83	93	93	84	87	89	75	74	70	80	85	91	90	91	90	88	87	85	86	81	76	82	92	88	81	80	92	..	85.4
	Minimum ...	53	55	53	61	67	70	66	65	65	66	62	62	60	61	62	61	68	70	70	66	59	60	70	55	55	58	62	67	57	57	..	62.2
Chillicothe §§	Maximum...	73	91	90	83	91	91	81	85	88	72	68	72	80	81	90	90	91	89	86	78	87	87	78	75	80	90	89	79	79	92	..	83.7
	Minimum ...	53	63	63	66	63	69	63	63	64	65	59	60	64	62	65	66	68	71	69	63	59	62	65	51	54	58	62	63	54	60	..	62.3
Columbia	Maximum...	85	88	88	81	93	93	87	87	87	77	76	73	78	81	88	87	87	89	86	75	82	85	80	76	82	93	85	81	80	89	..	81.2
	Minimum ...	55	62	66	67	70	66	66	67	67	67	63	61	61	61	64	68	70	68	71	66	60	67	64	55	55	62	69	65	56	59	..	63.9
Fayette	Maximum...	83	85	87	83	89	92	84	85	87	83	74	73	77	82	88	88	88	87	84	71	81	85	82	75	80	90	86	83	78	88	..	83.4
	Minimum ...	53	58	59	61	67	65	67	64	62	65	63	63	58	58	62	64	67	66	71	64	59	61	71	51	55	57	66	68	53	51	..	62.0
Grant City	Maximum...	85	87	85	81	87	88	81	84	85	75	68	72	80	80	85	87	90	91	83	76	85	81	82	87	91	89	90	79	78	90	..	83.4
	Minimum ...	56	61	59	61	61	68	60	58	61	61	57	62	61	62	64	61	68	67	62	58	61	70	63	53	58	61	63	60	48	60	..	61.2
Hannibal	Maximum...	83	87	88	83	93	93	86	87	91	80	75	70	79	83	88	89	89	87	82	75	80	87	80	77	80	88	88	81	78	88	..	83.8
	Minimum ...	56	61	63	65	69	65	64	66	66	66	63	63	60	63	65	68	68	63	66	59	51	65	68	55	56	59	64	60	55	57	..	62.4
Kansas City Airport.	Maximum...	87	88	90	83	90	91	83	87	86	68	64	70	82	86	89	89	92	88	85	75	87	87	80	77	86	92	92	84	84	93	..	84.5
	Minimum ...	61	68	69	67	68	69	67	61	65	61	58	61	63	65	67	66	72	71	73	58	62	73	60	55	59	68	72	63	55	66	..	64.9
Kirksville	Maximum...	86	88	88	83	90	90	85	85	92	80	72	72	79	80	89	90	91	88	85	79	81	85	83	77	81	90	87	80	79	90	..	81.2
	Minimum ...	54	60	60	61	67	67	62	63	63	65	60	64	60	59	65	67	65	70	65	58	56	67	67	54	56	57	63	61	53	58	..	61.8
Lawson	Maximum...	85	86	86	80	87	88	83	83	85	75	64	72	79	83	87	87	89	86	84	76	81	81	78	74	80	93	86	82	80	93	..	82.5
	Minimum ...	59	63	62	63	65	67	63	60	65	62	57	61	62	62	63	67	68	68	70	56	60	68	66	52	53	62	66	67	51	59	..	62.2
Louisiana	Maximum...	86	90	90	90	95	96	89	95	90	87	81	70	77	81	91	91	90	90	85	73	80	90	87	75	84	93	88	85	80	90	..	86.7
	Minimum ...	60	62	60	62	68	62	68	70	60	68	70	60	60	62	60	61	67	70	68	58	50	68	70	58	66	63	68	65	55	54	..	63.2
Macon §§	Maximum...	88	90	89	83	92	93	86	89	92	79	70	70	77	83	90	88	91	89	85	74	83	88	83	76	82	88	89	83	81	90	..	81.7
	Minimum ...	55	60	61	61	67	70	61	61	63	64	60	61	58	57	64	65	66	68	66	60	55	62	66	53	53	60	61	63	53	58	..	61.3
Maryville	Maximum...	85	88	87	83	86	90	81	84	86	78	67	71	80	81	86	86	90	93	89	80	84	82	80	75	81	87	84	83	79	92	..	83.3
	Minimum ...	59	62	62	63	64	66	61	60	61	61	55	60	61	59	63	61	67	66	63	54	60	70	61	52	51	61	61	60	50	59	..	60.9
Mexico §§	Maximum...	86	90	90	85	91	96	88	89	90	82	75	72	80	85	90	90	90	91	85	75	81	90	83	78	82	91	88	81	80	90	..	85.9
	Minimum ...	55	59	61	62	68	67	64	66	65	65	61	62	58	58	63	63	68	67	65	62	56	63	73	51	55	59	65	64	53	58	..	62.2
Moberly	Maximum...	87	90	89	85	91	93	82	86	90	77	75	71	77	84	89	88	90	89	87	71	83	87	90	76	81	91	89	81	81	91	..	85.0
	Minimum ...	62	64	63	61	72	65	51	64	63	65	62	63	57	58	61	70	61	67	68	52	60	64	69	49	51	59	60	63	52	54	..	61.5
Oregon	Maximum...	90	90	89	81	90	88	86	87	85	77	63	69	88	81	89	88	91	91	81	77	87	83	80	77	84	92	90	85	83	95	..	85.0
	Minimum ...	63	65	66	59	64	66	62	61	65	59	55	60	65	60	65	67	69	68	67	54	60	70	64	52	51	62	61	64	51	61	..	62.1
St. Charles §§	Maximum...	86	89	91	95	96	98	85	92	97	89	80	78	85	87	95	91	89	89	89	77	86	91	88	84	86	96	89	85	82	90	..	88.4
	Minimum ...	58	58	65	64	65	68	67	69	67	69	70	66	65	61	65	67	70	70	71	61	57	63	74	60	59	59	70	66	58	59	..	61.9
St. Joseph	Maximum...	85	87	87	82	89	88	81	81	83	70	62	70	82	86	90	89	91	90	85	74	87	86	78	76	81	91	88	80	83	95	..	83.5
	Minimum ...	65	68	68	65	67	69	65	64	66	60	57	61	65	65	68	69	72	70	70	55	62	72	57	55	57	65	65	62	55	65	..	61.1
Trenton	Maximum...	90	91	89	85	93	92	86	90	90	86	79	72	81	87	90	91	93	91	88	82	87	86	83	79	84	93	90	86	82	91	..	86.9
	Minimum ...	55	62	60	62	67	68	64	63	64	65	59	65	64	63	66	67	69	70	66	63	60	69	64	55	58	61	61	65	52	57	..	62.8
Unionville §§	Maximum...	91	90	90	87	91	90	83	83	88	83	68	72	80	87	89	91	92	90	86	71	88	87	85	72	88	82	87	81	82	90	..	84.9
	Minimum ...	56	61	61	66	61	66	61	62	63	61	59	60	63	60	65	65	68	69	59	62	57	63	64	53	51	58	61	63	50	56	..	60.9
Warrenton	Maximum...	84	87	90	88	91	91	90	87	89	89	82	72	82	82	88	88	83	86	86	83	82	85	86	80	75	85	85	84	80	86	..	84.9
	Minimum ...	56	58	61	60	65	66	65	51	65	66	67	63	60	61	63	67	68	67	66	62	54	61	71	55	55	59	68	63	55	57	..	61.9
Keokuk, Iowa	Maximum...	84	88	87	84	92	92	85	86	91	83	73	71	80	82	89	91	91	88	80	75	80	87	84	76	81	86	88	82	80	91	..	81.2
	Minimum ...	58	65	68	68	72	72	68	71	61	68	65	65	64	62	68	70	72	69	67	62	55	68	68	58	59	63	66	61	57	63	..	65.2
Southwestern Division																																	
Clinton	Maximum...	86	88	88	83	92	94	85	88	89	70	69	67	81	85	88	89	89	87	84	71	86	88	81	77	83	91	92	84	82	88	..	84.2
	Minimum ...	53	60	61	65	66	66	66	62	64	62	61	60	59	62	63	67	68	66	69	60	59	68	64	52	54	61	67	64	52	57	..	61.9
Eldon §§	Maximum...	86	89	89	84	93	96	86	86	87	80	77	69	77	84	88	86	87	89	85	71	81	82	83	76	82	91	90	86	81	88	..	84.3
	Minimum ...	55	55	63	63	62	66	65	65	65	66	65	61	59	60	62	64	66	65	69	62	58	60	67	55	56	58	63	68	55	56	..	61.7
Harrisonville §§	Maximum...	86	87	87	80	88	91	84	84	85	68	65	78	80	83	87	87	90	87	83	71	85	85	76	78	84	90	90	82	82	88	..	83.0
	Minimum ...	62	63	62	61	62	65	62	59	63	62	57	57	57	62	63	68	71	67	68	60	58	65	70	50	57	59	63	69	54	56	..	61.8
Jefferson City §§	Maximum...	86	88	86	82	92	92	87	87	87	79	76	70	77	87	88	88	87	85	85	75	81	85	82	76	82	91	85	85	82	85	..	83.9
	Minimum ...	53	55	62	62	64	68	62	65	63	64	62	59	58	59	61	62	63	64	67	63	55	58	69	52	54	58	65	64	51	55	..	60.6
Joplin	Maximum...	86	85	86	81	88	89	86	88	82	70	62	70	81	83	86	84	86	80	90	78	85	87	89	77	85	90	92	84	80	83	..	83.2
	Minimum ...	61	64	66	68	69	69	69	70	66	61	61	59	60	61	69	70	72	69	70	64	63	70	65	57	62	72	74	70	59	62	..	65.8
Lamar §§	Maximum...	90	89	91	81	92	95	89	90	90	72	66	70	85	81	89	89	90	85	91	75	88	90	93	79	88	93	95	87	83	87	..	86.2
	Minimum ...	52	56	60	64	62	66	65	63	60	64	59	57	54	58	61	66	68	67	64	57	60	62	68	53	53	56	70	70	51	54	..	61.0
Lebanon	Maximum...	87	87	87	85	91	92	87	88	87	83	75	69	78	84	86	87	85	82	86	78	82	85	87	75	81	90	92	88	77	84	..	84.2
	Minimum ...	53	55	58	61	65	67	64	61	61	63	64	59	56	60	62	64	66	65	63	59	55	62	66	53	52	52	66	66	52	55	..	60.3
Lexington §§	Maximum...	88	87	89	81	91	93	85	87	89	72	64	69	81	85	89	90	93	88	88	73	86	87	72	77	82	92	87	83	83	91	..	84.1
	Minimum ...	59	61	61	68	64	70	65	63	65	65	59	60	62	64	66	69	70	70	72	60	60	67	71	54	57	63	70	70	57	61	..	64.3
Marshall	Maximum...	84	86	87	87	90	90	83	84	86	81	75	72	77	82	87	88	90	89	87	82	83	86	85	80	80	91	89	85	84	85	..	84.5
	Minimum ...	57	58	64	68	69	68	65	64	67	67	61	62	60	62	66	66	68	68	68	51	58	67	65	54	56	62	69	69	55	60	..	63.1
Mountain Grove	Maximum...	85	84	85	85	88	90	89	88	91	85	74	71	78	81	85	82	75	85	90	83	78	81	88	74	81	91	91	85	78	84	..	83.6
	Minimum ...	55	59	60	59	65	67	65	66	61	62	65	59	57	62	66	66	67	67	65	56	58	61	70	56	54	60	65	67	54	55	..	61.6
Neosho	Maximum...	85	85	86	86	89	89	85	90	88	80	71	72	81	84	85	82	86	79	90	90	87	86	87	87	85	90	90	90	82	88	..	85.2
	Minimum ...	50	54	56	61	59	65	64	63	62	64	60	58	52	55	64	63	67	66	62	65	59	66	67	57	53	62	70	67	51	55	..	60.6
Nevada	Maximum...	89	90	91	85	93	95	87	90	90	76	64	67	85	87	90	89	87	86	90	85	89	89	88	79	85	91	92	86	85	88	..	86.3
	Minimum ...	55	59	61	61	63	68	66	62	62	60	59	57	55	61	62	62	69	65	65	62	60	67	69	53	55	63	71	75	51	57	..	61.8
Sedalia	Maximum...	86	90	90	85	93	93	85	86	90	84	71	69	80	86	89	89	90	89	89	81	84	88	84	76	82	92	89	86	82	88	..	85.5
	Minimum ...	56	62	63	65	68	67	66	65	66	65	61	61	58	61	64	68	70	67	71	60	60	67	70	52	55	62	68	71	52	57	..	63.3
Springfield Airport..	Maximum...	83	84	85	86	88	90	87	88	88	82	70	69	81	85	88	84	86	85	88	72	83	88	87	75	82	92	93	78	76	87	..	83.7
	Minimum ...	52	57	59	61	62	66	66	63	61	63	60	57	55	57	64	66	66	65	63	60	58	61	65	56	52	59	66	62	50	54	..	60.2
Warrensburg	Maximum...	86	89	89	82	92	91	83	85	87	81	67	68	82	84	87	89	91	88	86	77	85	86	81	77	83	91	90	85	82	90	..	8.45
	Minimum ...	56	63	64	66	67	66	66	61	66	62	59	61	59	62	64	68	70	67	71	59	59	68	65	52	54	64	67	71	54	59	..	63.0
Southeastern Division																																	
Arcadia §§	Maximum...	84	84	86	87	91	92	89	88	91	84	81	75	82	80	85	84	80	86	90	74	82	89	89	79	84	94	91	76	81	85	..	84.8
	Minimum ...	51	50	53	51	57	59	66	67	60	64	66	64	56	63	64	64	70	67	66	55	50	55	66	62	56	52	63	65	58	50	..	59.7
Birch Tree (near)	Maximum...	84	87	87	89	92	93	90	90	89	81	78	78	80	85	87	80	79	80	89	81	80	86	89	82	83	92	94	88	86	88	..	85.6
	Minimum ...	50	54	55	55	59	64	66	61	60	63	63	56	50	56	60	64	63	64	68	59	55	57	70	60	60	53	63	70	57	50	..	59.6
Caruthersville §§	Maximum...	85	87	88	91	92	95	92	90	89	90	86	83	85	80	86	83	85	89	92	83	83	91	95	80	86	93	95	87	80	85	..	87.5
	Minimum ...	55	58	59	60	64	70	72	67	67	68	70	66	60	68	68	70	71	72	72	69	62	62	71	72	56	57	69	75	63	58	..	65.7
Crystal City §§	Maximum...	83	87	88	88	92	94	88	91	92	87	86	78	85	81	90	88	85	84	88	76	82	91	87	79	83	93	90	80	80	88	..	86.1
	Minimum ...	54	50	55	53	59	60	65	63	61	65	68	68	58	61	62	64	66	68	67	56	50	56	66	62	54	54	64	66	55	51	..	60.0
Doniphan	Maximum...	87	88	89	93	94	95	96	96	94	88	86	85	84	85	90	89	88	84	94	87	82	91	93	85	90	96	92	96	82	85	..	89.5
	Minimum ...	49	55	53	54	59	65	70	65	63	67	69	65	55	67	67	68	70	70	69	60	56	56	70	68	67	50	60	70	55	51	..	62.1
Farmington	Maximum...	82	87	88	87	92	94	90	91	92	86	86	79	84	83	87	81	83	87	88	76	83	91	89	80	83	92	90	83	78	87	..	86.1
	Minimum ...	55	54	59	55	61	63	67	67	63	66	68	68	60	65	66	66	70	69	68	59	59	58	71	62	60	55	69	65	59	53	..	62.7
Jackson	Maximum...	82	85	87	89	92	93	88	90	89	86	86	82	85	81	86	83	86	84	89	87	82	89	90	87	84	93	89	87	80	84	..	86.5
	Minimum ...	49	51	52	54	59	64	67	68	65	69	70	68	60	66	68	67	60	60	69	58	53	56	72	66	53	53	72	68	55	51	..	61.4
Poplar Bluff	Maximum...	86	82	89	91	94	94	93	91	90	86	84	81	85	82	86	85	85	86	94	74	81	89	90	88	86	94	93	82	83	84	..	86.9
	Minimum ...	53	56	55	55	60	65	70	69	65	69	70	65	58	67	67	70	72	71	69	65	55	57	70	67	57	56	70	77	56	53	..	63.6
Rolla	Maximum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
St. Louis	Maximum...	82	86	86	86	92	94	85	90	93	86	84	77	80	81	89	88	86	86	85	77	82	90	87	77	81	93	87	84	77	87	..	85.3
	Minimum ...	63	62	67	66	71	70	68	70	70	70	69	68	67	67	69	73	71	73	70	61	58	66	72	60	61	65	77	67	60	62	..	67.2
Salem	Maximum...	82	85	86	86	90	91	86	86	88	82	75	70	77	80	86	82	80	81	84	75	79	85	83	73	79	90	90	83	75	83	..	82.4
	Minimum ...	49	57	58	60	63	64	66	65	60	63	65	62	55	61	62	64	67	65	65	61	54	61	72	57	54	57	65	69	53	52	..	61.0
Sikeston §§	Maximum...	86	91	91	94	97	97	92	93	92	90	87	84	91	83	89	89	85	89	93	80	86	94	94	86	90	95	95	81	84	88	..	89.5
	Minimum ...	55	54	55	59	64	68	70	67	67	69	70	66	63	66	66	70	70	70	70	62	57	60	72	71	55	58	71	78	57	55	..	64.5
Union	Maximum...	81	88	90	87	94	95	89	92	93	87	81	77	84	85	90	89	88	87	89	81	84	90	86	80	84	94	87	87	80	88	..	86.9
	Minimum ...	53	52	58	55	59	61	67	64	61	67	68	65	60	60	60	63	68	71	67	58	52	57	72	58	56	56	63	65	53	53	..	60.7
West Plains	Maximum...	86	85	87	88	91	91	92	91	91	82	78	72	78	82	85	83	80	84	90	73	80	87	90	78	83	93	94	84	79	85	..	84.7
	Minimum ...	49	52	54	54	59	62	67	65	61	65	64	58	56	64	65	64	69	69	67	59	56	57	69	61	52	54	63	58	53	51	..	59.9
Cairo, Ill.	Maximum...	79	82	83	88	91	91	84	87	87	86	85	80	85	77	83	81	81	83	89	76	79	88	91	81	83	92	88	80	78	82	..	84.0
	Minimum ...	58	59	61	65	70	73	69	69	70	69	71	68	68	68	70	71	73	71	71	63	59	64	74	65	60	62	73	67	62	61	..	66.8

ᵃ, ᵇ, ᶜ, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

VOL. XLIV JULY 1940 No. 7

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GENERAL SUMMARY

July averaged slightly cooler, but much drier than normal. The first half was cool and pleasant, and in marked contrast to the latter half, which was extremely hot. Drought conditions prevailed generally throughout the month, but were greatly intensified by the extreme heat and the hot winds the last two weeks, resulting in extensive damage to all growing crops and vegetation, except locally where moisture conditions were ample. Pastures were dry and brown, and the ground was too dry and hard for fall plowing as the month closed. Water supplies were becoming scarce in some localities.

The temperature for the State averaged slightly below normal, due to the persistent cool period during the first half of month. Much warmer weather began on the 24th, and daily maximum temperatures were near, or above, 100° every day thereafter, with no indication of a break as the month closed. Heat prostrations were numerous, and a number of deaths occurred, due, either directly or indirectly, to the prolonged extreme heat.

Precipitation was spotted and of the local summer-thunder-shower type, heavy locally, and light or none at other nearby places. Severe drought prevailed generally, particularly the last ten days of the month, and was the most severe since the great drought of 1936. It was the driest July since 1936, and the fifth driest of record (1888-1940). Monthly amounts ranged from none at two stations to over six inches at one station, with a few stations recording amounts above normal. All three Divisions of the State averaged around two inches less than normal, but the Northern Division received the least precipitation with an average of only 1.47 inches. The average for the other Divisions was only a little higher, the Southeastern with 1.73 inches, and the Southwestern with 1 55 inches. This is the third consecutive month, and the tenth out of the last twelve with deficient precipitation, and the sub-soil moisture consequently is very low, crops being generally dependent upon current rainfall for survival.—M. R. W.

TEMPERATURE

The monthly mean for the State, 85 stations reporting, was 77.7°, or 0.3° below normal. The highest monthly mean was 81.6° at Kansas City Airport, and the lowest monthly mean was 73.8° at Goodland. The highest recorded was 111° at Sikeston on the 29th, and the lowest was 45° at Louisiana on the 4th and at Louisiana and Goodland on the 14th. The greatest daily range was 42° at Louisiana on the 14th and at Moberly on the 15th.

PRECIPITATION

The average for the State, 144 stations reporting, was 1.58 inches, or 2.05 inches less than normal. The greatest local monthly amount was 6.06 inches at Lucerne, and the least local monthly amount was none at Bowling Green and Stover. The greatest amount in any twenty-four hours was 3.81 inches at Lucerne on the 27th. The average number of days with 0.01 inch or more was 4.

MISCELLANEOUS PHENOMENA

Fog.—Dense, 18th, 19th.

Halos.—Solar, 2d, 3d, 11th, 15th, 27th; lunar, 11th, 27th.

Thunderstorms.—Local, 1st, 2d, 8th, 10th, 12th, 15th, 17th, 18th, 19th, 20th, 23d, 24th, 26th, 28th, 29th; more or less general, 11th, 16th, 21st, 22d, 27th, 30th, 31st.

Windstorms.—On 22d strong wind flattened corn at Mount Vernon. On the 26th, between 7 and 9 p. m., high winds of destructive force extended over several northern counties, result-

(Continued on page 36)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.04*	30 31*	5	29.74*	26	6.7	21	w.	21	81*	54*	50*	92
Kan. C. Airport	29.99	30.29	5	29.69	26	10.5	26	sw.	25	74	45	41	85
St. Joseph	29.99*	30.29*	13	29.63*	26	8.1	26	e.	11	85*	53*	51*	86
St. Louis	30.04*	30.33*	5	29.78*	25	10.0	30	n.	16	70	44	43	84
Springfield	30.06*	30.29*	5	29.81*	26	7.4	21	w.	22	88*	53*	59*	74
Cairo, Ill.	30.05	30.29	5	29.86	25	6.4	32	n.	16	86	59	64	83
Keokuk, Iowa	30.03	30.32	5	29.68	25	6.3	26	w.	15	73	45	43	88

* Data for Airport Station.

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	79.3	111	50	2.85	4.41	1.50	2.62	0	7	..	..	..
1889	77.1	107	46	4.02	4.22	3.80	4.03	0	8	..	..	..
1890	79.6	110	42	3.04	3.12	3.90	2.10	0	5	..	..	..
1891	72.7	103	45	3.23	4.13	4.16	1.41	0	8	..	..	..
1892	75.8	102	45	4.88	5.27	4.95	4.43	0	9	12	10	9
1893	77.3	103	51	4.67	4.72	6.19	3.10	0	8	14	12	5
1894	76.5	109	42	2.67	1.48	3.43	3.11	0	5	18	10	3
1895	74.4	106	45	6.77	6.36	6.91	7.03	0	10	10	12	9
1896	77.3	108	48	5.51	7.53	4.34	4.66	0	9	15	11	5
1897	78.7	106	48	3.14	4.11	2.70	2.62	0	6	19	9	3
1898	76.1	104	42	5.72	5.00	5.71	6.44	0	9	16	10	5
1899	76.0	102	43	4.50	4.88	4.32	4.30	0	9	15	11	5
1900	76.9	102	46	4.15	3.91	4.58	3.96	0	8	17	10	4
1901	85.4	116	46	2.02	2.23	1.93	1.90	0	5	19	10	2
1902	77.0	103	50	4.10	5.95	4.54	1.80	0	8	17	11	3
1903	77.4	102	51	3.40	2.79	3.56	3.85	0	8	17	10	4
1904	74.2	100	47	4.61	4.86	5.32	3.65	0	10	15	11	5
1905	73.4	101	48	8.07	4.86	9.90	9.46	0	12	12	10	9
1906	74.7	100	48	3.54	2.33	4.11	4.19	0	8	17	9	5
1907	78.4	105	51	4.56	6.62	3.78	3.28	0	8	19	8	4
1908	76.5	101	49	3.36	3.36	3.09	3.64	0	8	18	9	4
1909	76.7	102	41	6.16	7.01	6.33	5.14	0	10	17	8	6
1910	76.8	109	46	5.79	4.79	4.59	7.99	0	9	16	9	6
1911	78.0	113	43	3.68	3.41	4.78	2.86	0	8	16	9	6
1912	78.8	104	52	2.88	2.15	2.53	3.95	0	7	18	9	4
1913	80.2	108	47	3.10	2.52	2.86	3.93	0	7	18	9	4
1914	80.5	109	45	2.67	2.48	3.98	1.56	0	7	17	9	5
1915	74.6	102	42	5.74	9.05	4.39	3.78	0	12	14	9	8
1916	81.6	109	52	1.22	1.28	1.01	1.36	0	3	25	5	1
1917	77.5	107	42	3.08	1.71	3.36	4.18	0	8	20	8	3
1918	77.1	110	41	1.62	1.98	1.89	1.00	0	6	19	8	4
1919	80.0	105	50	2.30	3.00	2.21	1.69	0	5	23	6	2
1920	76.3	105	47	3.30	3.69	3.17	3.05	0	7	18	8	5
1921	80.3	109	46	2.32	2.29	2.39	2.28	0	5	20	8	3
1922	76.8	103	46	5.50	6.87	5.57	4.06	0	8	17	9	5
1923	78.2	105	50	3.16	2.61	4.29	2.59	0	6	18	8	5
1924	73.3	103	40	5.55	4.42	6.65	5.57	0	10	15	11	5
1925	77.9	106	46	2.70	2.56	2.76	2.79	0	7	16	10	5
1926	78.0	108	40	3.07	3.66	2.54	3.02	0	7	17	9	5
1927	75.8	101	48	4.16	2.82	5.38	4.28	0	8	18	9	4
1928	77.2	102	48	2.93	3.47	3.15	2.16	0	7	17	10	4
1929	77.8	104	50	4.03	5.50	2.58	4.01	0	8	16	10	5
1930	81.2	113	42	1.00	0.50	1.48	1.01	0	3	22	7	2
1931	80.3	110	49	3.31	2.83	3.45	3.65	0	7	18	9	4
1932	79.8	109	48	3.61	3.89	4.08	2.85	0	7	19	8	4
1933	79.3	108	49	2.67	1.73	2.44	3.84	0	5	18	9	4
1934	86.2	117	48	1.18	0.82	1.22	1.50	0	4	20	9	2
1935	80.8	104	53	3.30	3.90	2.06	3.94	0	6	20	9	2
1936	85.3	118	44	1.52	0.72	1.48	2.37	0	3	23	6	2
1937	77.9	105	45	4.06	4.80	3.34	4.05	0	8	17	11	3
1938	79.7	110	53	3.50	2.91	2.58	5.00	0	7	19	8	4
1939	80.0	107	51	2.91	3.13	2.24	3.37	0	6	19	9	3
1940	77.7	111	45	1.58	1.47	1.55	1.73	0	4	19	9	3
	....	..	..	....	....	....	....	....	..	..	..	..
Period	78.0	118	40	3.63	3.70	3.68	3.51	0	7	18	9	4

Natural History Library

Climatological Data for July 1940

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	45	77.6	+ 1.3	103	25	50	13	31	47	2.09	−2.07	0.85	0	3	25	4	2	se.	A. S. Cumming
Brunswick	Chariton	652	59	79.4	+ 3.3	105	25	53	6	38	61	0.34	−3.77	0.15	0	4	21	6	4	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	2	77.3	......	103	25	50	4†	37	10	1.29	−1.04	0.69	0	5	21	6	4	se.	Lockmaster
Chillicothe	Livingston	779	31	79.2	+ 2.2	106	25	51	13	38	34	1.97	−1.45	1.40	0	4	25	4	2	sw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	41	77.2	+ 0.8	104	25	51	13	34	31	0.24	−3.12	0.17	0	3	23	8	0	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	50	78.8	+ 1.5	101	29	54	5	31	50	2.06	−1.43	1.49	0	3	14	15	2	s.	U. S. Weather Bureau
Conception	Nodaway	980	51	78.6	+ 2.0	104	27	52	13	36	56	1.72	−2.95	0.98	0	3	19	11	1	se.	Fr. Adelhelm Hess
Edgerton	Platte	856	20	79.1	+ 3.0	103	25	47	4†	39	29	1.55	−1.95	0.55	0	4	26	2	3	s.	Fred L. Stiff
Elsberry	Lincoln	449	9	76.3	− 3.1	102	28	48	4	38	9	0.59	−1.40	0.55	0	2	19	11	1	sw.	Ray E. Mills
Fayette	Howard	760	60	77.4	+ 0.2	102	25	50	5	35	57	0.89	−2.36	0.42	0	4	25	5	1	se.	Irvin E. Schnell
Fulton	Callaway	818	52	76.7	− 1.0	104	29	48	4†	40	48	1.30	−1.99	0.72	0	4	24	6	1	s.	Clyde C. Herring
Grant City	Worth	1,134	36	77.8	+ 1.6	105	25	53	4†	31	48	2.12	−2.51	1.20	0	4	16	15	0	sw	Howard Rybolt
Hannibal	Marion	759	48	77.8	+ 1.0	102	25†	54	4†	33	56	0.05	−3.04	0.05	0	1	13	13	5	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	51	81.6	+ 3.5	102	25†	56	4	31	51	0.80	−3.33	0.49	0	4	16	11	4	s.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	2	79.6	......	103	29	52	4†	34	2	0.51	......	0.51	0	1	18	12	1	s.	University of Kansas City
Kidder	Caldwell	1,020	48	78.3	+ 1.7	104	25	50	13	35	52	2.82	−1.06	1.61	0	7	27	2	2	s.	Mrs. Geraldine Terry
Kirksville	Adair	969	51	78.7	+ 2.7	105	25	50	13	37	58	0.95	−3.35	0.75	0	2	19	10	2	sw.	Howard Coons
Lawson	Ray	1,070	2	79.3	......	104	25	51	13	32	2	0.66	......	0.48	0	3	16	14	1	se.	Elmer E. Lamb
Louisiana	Pike	469	46	77.0	+ 0.6	104	29	45	4†	42	59	0.09	−3.51	0.08	0	2	20	11	0	w.	Stark Bro's Nurseries
Macon	Macon	875	41	77.4	+ 0.2	103	25	48	13	37	47	0.47	−2.94	0.29	0	3	26	3	2	s.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	50	78.6	+ 2.9	105	25	54	13	30	46	3.59	−1.64	1.53	0	5	23	4	4	se.	R. B. Montgomery
Memphis	Scotland	787	1	78.2	......	105	25	50	13	38	10	1.49	−1.31	0.98	0	6	18	6	7	se.	John W. Alexander
Mexico	Audrain	800	51	77.4	+ 0.1	103	28†	49	4	35	62	1.17	−2.04	0.73	0	2	25	5	1	s.	Mrs. Abbie Snoddy
Moberly	Randolph	875	3	77.4	......	104	25	49	4	42	3	0.38	......	0.38	0	1	23	8	0	s.	Beverly Coomes
Oregon	Holt	1,048	84	81.0	+ 5.4	106	25	52	13	31	84	3.16	−1.02	2.04	0	3	25	6	0	se.	Miss Mina Wright
St. Charles	St. Charles	520	52	79.1	+ 1.0	107	29	54	4	34	62	1.87	−1.12	1.45	0	2	27	3	1	sw.	Martin L. Comann
St. Joseph	Buchanan	957	30	80.4	+ 3.0	103	25	56	5	30	68	2.67	−1.11	1.25	0	5	15	13	2	s.	U. S Weather Bureau
Steffenville	Lewis	650	42	78.9	+ 1.1	106	25	49	4	38	47	0.52	−3.59	0.20	0	3	16	14	1	s.	Frank Hall
Tarkio	Atchison	916	37	79.1	+ 2.3	108	25	52	12	33	46	4.97	+0.82	1.94	0	5	18	7	6	se.	Albert Volker
Trenton	Grundy	822	44	79.6	+ 2.8	107	25	51	14	40	45	3.75	−0.32	2.51	0	4	24	5	2	s.	W. H. Estes
Unionville	Putnam	1,062	47	77.8	+ 1.3	106	25	50	13	36	47	2.47	−1.65	1.60	0	6	23	3	5	sw.	John H. Schick
Warrenton	Warren	816	58	76.7	− 1.1	100	29†	50	4	33	50	1.08	−2.06	1.02	0	2	11	17	3	sw	Prof A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	68	78.7	+ 1.8	104	25	55	4	30	68	2.70	−0.71	1.79	0	5	17	10	4	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**78.4**	**+ 1.5**	**108**	**25**	**45**	**4†**	**42**	..	**1.47**	**−2.23**	**3.81**	**0**	**3**	**21**	**8**	**2**	**s.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	36	75.9	− 1.4	98	30†	50	4†	33	41	2.74	−1.67	1.94	0	6	22	6	3	e.	E. S. Taylor
Appleton City	St. Clair	813	45	78.1	− 0.1	103	29	50	5	37	48	0.01	−4.30	0.01	0	1	19	8	4	sw.	Rolla Brown
Bolivar	Polk	1,071	37	78.2	+ 0.9	102	31	52	4	33	45	0.57	−3.15	0.26	0	4	18	9	4	sw.	Southwest Baptist College
Boonville	Cooper	650	2	77.6	......	102	30	54	5†	32	63	1.58	−1.66	1.17	0	4	18	8	5	sw	Boonville Water Dept.
Carthage	Jasper	962	6	77.6	.....	96	30	50	4	32	16	4.56	......	3.16	0	7	21	10	0	sw.	Carthage W. and E. Plant
Clinton	Henry	786	47	79.1	+ 0.8	102	29	53	4	34	53	0.93	−2.50	0.39	0	4	8	16	7	se.	U. S. Weather Bureau
Eldon	Miller	934	45	77.5	+ 0.3	105	31	50	4†	35	41	0.26	−2.96	0.26	0	2	14	9	8	sw.	E. H. Shepherd
Harrisonville	Cass	904	62	80.2^{e}	+ 2.5	102	29	58	3†	31	65	0.02	−3.59	0.02	0	1	21^{e}	5^{e}	0^{e}	sw.	John H. Patterson
Jefferson City	Cole	557	50	76.6	− 1.5	102	29†	49	14	35	58	0.50	−2.61	0.13	0	5	26	4	1	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	18	78.8	+ 0.7	95	30†	58	4†	25	35	2.46	−2.16	1.80	0	5	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	9	76.8	......	101	31	48	4	37	9	0.52	......	0.52	0	2	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	52	78.8	+ 0.4	101	18	52	4	37	59	1.77	−2.45	1.55	0	3	23	6	2	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	52	75.9	− 1.0	100	30	50	5	34	53	2.28	−1.68	1.32	0	4	12	16	3	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	55	80.7	+ 3.3	103	29	54	13	31	56	0.71	−3.30	0.55	0	2	21	10	0	sw.	Miss Carrie Loomis
Lockwood	Dade	1,078	34	77.6	0.0	99	18†	50	4	36	44	3.69	−1.07	3.05	0	3	18	12	1	sw.	Hubert A. Nieman
Marshall	Saline	779	53	78.6	+ 1.1	101	29	53	13	36	50	1.33	−2.24	1.15	0	2	28	3	0	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	39	75.9	− 0.5	99	30†	51	4	30	43	1.72	−2.17	1.55	0	5	6	24	1	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	28	77.3	− 0.4	100	18	51	4	33	40	4.40	−0.79	3.20	0	4	9	13	9	se	G. H. Boswell
Neosho	Newton	1,011	53	77.0	− 0.5	96	18†	49	4†	35	57	2.38	−2.27	1.47	0	6	19	8	4	s.	U. S. Fisheries Station
Nevada	Vernon	862	47	80.0	+ 0.4	103	31	51	4	37	48	0.80	−2.86	0.70	0	2	23	4	4	sw.	Henry Kraft
Ozark Beach	Taney	700	..	....	......	..	..	..	..	..	15	2.00	−1.39	1.03	0	6	..	..	..	......	V. Smith
Sedalia	Pettis	910	27	79.8	+ 2.3	103	31	52	4	37	29	2.45	−1.99	2.10	0	2	26	3	2	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	39	75.0^{b}	− 1.7	92	29†	52	4†	27	37	3.17	−0.95	2.53	0	5	17^{b}	10^{b}	2^{b}	sw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	34	74.4	− 1.1	95	30	48	5	33	34	1.30	−2.64	0.90	0	4	20	6	5	se.	A. L. Hailey
Springfield	Greene	1,301	52	76.8	0.0	97	10	54	14	36	52	3.77	−0.44	3.22	0	7	13	11	7	s.	U. S. Weather Bureau
Versailles	Morgan	1,037	13	76.6^{g}	− 2.3	100	25	52	13	29	16	0.21	−4.12	0.21	0	1	24	5	2	w.	Robert Otten
Warrensburg	Johnson	878	53	80.6	+ 1.8	105	29	52	13	34	60	0.14	−3.83	0.10	0	3	25	6	0	se.	E. A. Markey
Warsaw	Benton	687	39	80.0	+ 1.7	108	25†	50	4	37	45	0.45	−3.56	0.45	0	1	20	7	4	s.	Everett Martin
Division means	**and extremes**	.....	..	**77.8**	**+ 0.2**	**108**	**25†**	**48**	**4†**	**37**	..	**1.55**	**−2.13**	**3.22**	**0**	**4**	**19**	**9**	**3**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	3	76.4	... ..	98	31	53	4	33	3	3.17	......	1.35	0	6	10	12	9	sw.	U. S. Weather Bureau
Arcadia	Iron	926	59	75.3	− 0.5	102	30	48	5†	38	62	0.97	−3.15	0.81	0	7	13	15	3	sw.	Arcadia College
Birch Tree(near)	Shannon	1,000	45	76.4	− 0.2	101	31	53	4	33	46	0.96	−2.62	0.85	0	4	23	6	2	......	V. H. Kirkendall
Campbell	Dunklin	314	14	78.6	− 1.8	99	31	58	4	28	14	3.64	+0.16	2.27	0	7	16	10	5	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	44	78.0	− 3.3	99	30	55	13	31	48	3.90	+0.61	1.30	0	8	25	2	4	e.	Victor T. Malloure
Crystal City	Jefferson	420	6	76.2^{a}	......	103	29	47	13	37	6	1.74	......	0.86	0	4	10	12	9	se.	Frank Magre
Doniphan	Ripley	344	36	76.9	− 1.7	100	31	50	5	33	36	3.47	−0.57	1.95	0	4	22	3	6	se.	Boyce Lackey
Farmington	St. Francois	896	29	77.3	+ 1.0	103	29†	50	14	36	43	0.63	−2.93	0.25	0	5	11	12	8	s.	F. M. Karsch
Goodland	Iron	1,000	47	73.8	− 1.8	101	29†	45	14	39	47	0.61	−3.08	0.36	0	4	21	7	3	s.	F. M. Adams
Greenville	Wayne	381	31	76.4	− 1.0	101	30	50	5	34	33	1.65	−2.11	0.95	0	5	11	14	6	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	49	77.2	− 0.4	98	29†	52	6	35	50	1.72	−1.82	0.65	0	5	20	8	3	se.	L. R. Crites
Koshkonong	Oregon	958	39	75.8^{c}	− 3.0	96	29†	57	1†	26	40	2.57	−1.20	1.09	0	6	10^{c}	9^{c}	9^{c}	e.	R. M. Hitt
Licking(near)	Texas	1,170	3	75.7	......	100	28	46	4	39	3	1.13	......	0.70	0	6	22	8	1	e.	U. S. Forestry Service
Marble Hill	Bollinger	470	45	77.6	− 0.2	104	30	49	5	38	47	2.41	−1.61	1.02	0	5	17	12	2	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	35	77.5	− 1.7	99	30	55	5	28	36	3.18	−0.76	2.28	0	4	24	6	1	s.	Mrs. J. H. Wolpers
Rolla	Phelps	1,202	40	75.7	− 2.0	98	29†	53	13	28	56	1.20	−2.19	0.45	0	5	10	11	10	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	103	80.2	+ 1.4	102	29	56	13	25	103	0.78	−2.20	0.77	0	2	18	7	4	sw.	**Section Center**
St. Louis Airport	St. Louis	556	3	78.2	......	102	29	52	4	31	9	1.30	......	1.30	0	1	14	8	9	s.	U. S. Weather Bureau
St Louis University	St. Louis City	578	28	79.8	− 0.7	101	25†	56	13	25	28	0.71	−2.47	0.70	0	2	27	2	2	s.	St. Louis University
Salem	Dent	1,173	36	74.8	− 2.0	98	29†	48	4†	32	39	0.58	−2.92	0.23	0	4	21	8	2	s.	E. E. Martin
Sikeston	Scott	318	33	79.2	+ 0.6	111	29	57	4	38	43	4.19	+0.47	3.37	0	4	12	19	0	sw.	Mrs. Hazel P. Young
Union	Franklin	520	2	76.8	......	104	29	46	14	41	23	1.27	−2.67	1.06	0	2	17	12	2	s.	Robert Mueller
Wappapello Dam	Butler	475	1	77.5	......	99	30	54	5	30	1	2.09	......	0.94	0	6	21	7	3	sw.	J. E. Harns
West Plains	Howell	1,005	3	75.4	......	100	30	50	5	33	3	1.20	......	0.49	0	7	8	13	10	sw.	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	68	77.6	− 2.0	96	31	59	4	22	69	1.39	−1.68	1.06	0	7	10	12	9	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**77.0**	**− 1.1**	**111**	**29**	**45**	**14**	**41**	..	**1.73**	**−1.78**	**3.37**	**0**	**5**	**17**	**9**	**5**	**s.**	
State means	**and extremes**	.....	..	**77.7**	**− 0.3**	**111**	**29**	**45**	**4†**	**42**	..	**1.58**	**−2.05**	**3.81**	**0**	**4**	**19**	**9**	**3**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for July 1940

Stations	Drainage basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Amity[2]	Grand											.40	.07											T.				.76	.18		.23	.26	1.90
Bethany	....do											.47																.85			.77		2.09
Bowling Green[2]	Mississippi																																0.00
Brunswick[2]	Grand												.15				.05						T.					.04	.10				0.34
Canton, Lock No. 20[2]	Mississippi												.20				.07							.33				.66	.03				1.29
Centralia[2]	....do.																.44						.02									.02	0.48
Chillicothe[2] ......(A)	Grand											T.	.16				.21											1.40	.20				1.97
Clifton Hill	Chariton											.05					.17											.02					0.24
Columbia [1]‡	Missouri									T.		T.	T.				.57					.59	.90										2.06
Conception	....do							T.				.39				T.												.35			.98		1.72
Edgerton	Missouri								T.			.50										T.	.12					.55			.38		1.55
Edina[2]	Mississippi											T.					T.							T.				.55					0.55
Elsberry	....do																.55		T.			.04											0.59
Farber[2]	....do													.10																			0.10
Fayette	Missouri											.05					.42			T.		.39	.03										0.89
Fulton[2]	....do		.05														.72						.50	.03									1.30
Gallatin[2]	Grand												.16															2.20			1.30	.15	3.81
Gorin	Mississippi											T.	T.			T.	T.					T.						.98					0.98
Grant City	Grand											.60	T.															1.20	.20		.12		2.12
Hannibal[3] ......(A)	Mississippi																.05																0.05
Hermann[2]	Missouri																.80			T.			.68	.32									1.80
Kahoka[2]	Mississippi											.10	.37				.70											1.10	.25			.03	2.55
Kansas City Airport [1]‡	Missouri	.02							T.			.49	T.									T.	.28					.01					0.80
Kansas City University	....do		T.									.51																					0.51
Kidder[2]	Grand											.09	.12				.07							.43				1.20	.41			.50	2.82
King City	Missouri											.55				T.												1.03			2.35		3.93
Kirksville	Mississippi											.20																.75					0.95
LaBelle[2]	....do																											*	.54				0.54
Lawson	Missouri											.16				.02												.48					0.66
Linneus[2]	Grand											.04	.16				.08											1.74	.26			.01	2.29
Louisiana ......(A)	Mississippi																.08										.01						0.09
Lucerne[2]	Grand											.65	.02				.60											3.81			.84	.14	6.06
Macon[2]	Chariton												T.				.29						T.					.13	.05				0.47
Madison[2]	Mississippi																.22						.02										0.24
Maryville	Missouri							T.				1.15				.02							.05					1.53			.81		3.59
Memphis[2]	Mississippi											.24	.08				.14											.80	.18			.05	1.49
Mexico[2]	....do																.73						.44										1.17
Milan[2]	Grand											.22	.27				.10											1.18	.06		.12	.13	2.08
Moberly	Mississippi											T.					.38																0.38
Monroe City	....do											.12				.20							.19				.02						0.53
Oregon	Missouri											2.04																1.02			.10		3.16
Palmyra[2]	Mississippi																.12																0.12
Paris[2]	....do												T.				.18											.07					0.25
Perry[2]	....do																							.80									0.80
Philadelphia[2]	....do													.15			.12																0.27
St. Charles[2]	Missouri																1.45						.42										1.87
St. Joseph[1]‡	....do							T.	.08			1.25	T.										.33				T.	.86			.15		2.67
Saverton, Lock No. 22[2]	Mississippi												T.				.07							T.			.08						0.15
Shelbina	....do												.21				.06																0.27
Shelbyville[2]	....do																			.11													0.11
Steffenville	....do												.12									.20						.20					0.52
Tarkio	Missouri							.02				1.17				T.											1.57	.37			1.84		4.97
Trenton	Grand											.24											.01					2.51			.99		3.75
Troy[2]	Mississippi																1.00						.55										1.55
Unionville[2]	Chariton											.52	.05				.19											1.60			.08	.03	2.47
Warrenton	Mississippi																1.02					.06											1.08
Keokuk, Iowa [1]‡	....do									T.		.16	T.			.62	.13		T								1.62	.17	T.		T.	T.	2.70
Southwestern Division																																	
Altona[2]	Osage											T.	.10										.55										1.44
Anderson (near)	Neosho	T.	.02									.11	T.									.11	1.94	.48	.08								2.74
Appleton City	Osage																					.01											0.01
Bolivar	....do												.20						T.		.08	T.	.03	.26									0.57
Boonville[3] ......(A)	Missouri												.09				.32						1.15	.02									1.58
Buffalo[2]	Osage												1.04										1.26										2.30
Caplinger Mills	....do																					.75	.02	.24								T.	1.01
Carthage	Neosho	.08	1.01	T.								.02					.27			.02			.61	2.55									4.56
Clinton[4]	Osage	.04										T										.39	.24	.26									0.93
Concordia[3]	Missouri											T.												T.									T.
Eldon[3]	....do																						.02	.24									0.26
Galena[2]	White												T.							.18	.39		.46	1.68									2.71
Hailey	....do																		T.	.09			2.54	.74									3.37
Harrisonville[2]	Osage																							.02									0.02
Jefferson City[2]	Missouri																.13						.05	.10	.12			.10					0.50
Joplin[3]	Neosho											.08					T.			.32	.03		1.80	.23									2.46
Lakeside[2]	Osage																			T.			.15	.37									0.52
Lamar[2]	Neosho												.12								.10			1.55									1.77
Lebanon	Osage												.14							T.			.59	.23								1.32	2.28
Lexington[2]	Missouri											T.	.16				T.						.55					T.					0.71
Lockwood	Osage											T.									.64		2.62	.43									3.69
Marshall	Missouri											.18										1.15											1.33
Mountain Grove	White												.10								.04	.22	1.33	.03									1.72
Mount Vernon	Neosho		.35																		.05		.80	3.20									4.40
Neosho	....do			.07									.09				T.	T.		.11	.64		.24	1.23									2.38
Nevada	Osage											.10										T.		.70									0.80
Osceola[2]	....do																							.16									0.16
Ozark Beach[2]	White	T.											.03					.21		.07		.66	.22	.81									2.00
Pleasant Hill[2]	Osage												.04										.26	1.48									1.78
St. Thomas (near)[2]	....do.																.11						.06		.61								0.78
Sedalia	Missouri											T.										2.10	T.	.35									2.45
Seligman	Neosho												T				.27			.20	.17		.24	2.29									3.17
Seymour (near)	White																			.02	.01		.37	.90									1.30
Springfield [1]‡	....do		.08									T.						T.	.33	.01	.05	.01	3.16	.13									3.77
Stover[2]	Missouri		T.																														0.00
Versailles	Osage	T.																					.21										0.21
Warrensburg	Missouri											.03										.10	.01										0.14
Warsaw ......(A)	Osage																						.45										0.45
Waverly[2]	Missouri												.10				.05																0.15

Continued on next page

Daily Precipitation for July 1940—Continued from preceding page

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southeastern Division																																	
Advance[4]	St. Francis							T.	T.			.73	.05									1.35	.69		.30							.05	3.17
Annapolis	do												.30									.43										.17	0.90
Arcadia[2]	do												.09					T.		.02		.68	.13	.03	.01	.01							0.97
Belleview	Meramec																															.58	||||||
Birch Tree(near)	Black																				.50	.35	.06	.05									0.96
Bragg City[2]	St. Francis			.08					.08	T.			.39	.18				.28			T.			.08	.64								1.73
Campbell	do	.01	.06						.07				2.27									.65	.55								.03		3.64
Cape Girardeau[2]	Mississippi												.51					T.					.29	T.								.02	0.82
Caruthersville[2]	do		.04	.24					.07				1.30	.97				.64							.54	.10							3.90
Centerville[2]	Black												.64	T.			T.		T.	.01		.47	.08		.02	.05							1.27
Crystal City[2]	Mississippi																.53					.23	.12									.86	1.74
Cuba[2]	Meramec																	.12					.15										0.27
Dexter[2]	St. Francis			T.					T.	T.			1.70	1.56							T.		1.05	.02									4.33
Doniphan	Black		.08										1.38									1.95	.06										3.47
Farmington	St. Francis																.20		.02			.10	.06									.25	0.63
Fisk[2]	do			.09						T.			.34	2.88									1.04	.09									4.44
Fredericktown[2]	do																	.18		.03			2.98	.03	.14							.15	3.51
Goodland	Black																					.10	.36		.10							.05	0.61
Greenville	St. Francis												.15									.95	.05		.35							.15	1.65
Jackson	Mississippi		.11										.19									.27	.50									.65	1.72
Jerome[2]	Gasconade																					.12	.28	.05									0.45
Koshkonong	Black	T.											T.				1.01		.04		1.09	.11	.09	.23									2.57
Leeper[2]	do																					.22	.10									.10	0.42
Licking (near)	Gasconade												.70	T.			T.		T.		.05	.02	.25	.06								.05	1.13
Marble Hill	Mississippi												1.02									.54	.11		.59							.15	2.41
Meramec Park[2]	Meramec																.71																0.71
Morehouse	Mississippi									.53			.98									1.57	.94										4.02
New Madrid[2]	do			T.				.07	.04				.32	.41		.01	T.						.16		.32							.11	1.44
Owensville[2]	Gasconade		.65																														0.65
Pacific[2]	Meramec																.28	T.															0.28
Parma[2]	St. Francis			.15						T.			1.20	1.53			T						1.06										3.94
Poplar Bluff[2] (A)	Black			.08									.15	2.28									.67	T.									3.18
Richwoods[2]	Meramec		.04														.35	.05						.05	.15								0.64
Rolla[4]	do												T.									.37	.45	.18	.01							.19	1.20
St. Louis:																																	
City Office[1]‡	Mississippi												T.				.77		T.			.01	T.										0.78
Airport[4]‡	Missouri											T.	T.				1.30		T			T.											1.30
St. Louis Univ.[3]‡	Mississippi																.70		T.			.01											0.71
Washington Univ.[2]‡	do												.08				1.15																1.23
Salem[2]	Meramec			.08									.22							.05		T		.23									0.58
Sikeston[2]	Mississippi								T.	T.			.55	.12									3.37	.15									4.19
Union	Meramec																1.06							.21									1.27
Valley Park[2]	do												T.				.55	.10		T.				.15	T.								0.80
Van Buren	Black												T.						T.		.11	.49										T.	0.60
Wappapello Dam[2]	St. Francis									T.			.02	.92									.92	.04	.17	.02							2.09
West Plains[4]	Black	T.										T.	T.				.30		.01		.04	.08	.07	.45								.25	1.20
Williamsville[2]	do												.03									.04	.91	.24									1.22
Willow Sprgs (near)[2]	White																					.25		.38									0.63
Zalma(near)[2]	Mississippi												.64										.84			1.00							2.48
Cairo, Ill.[1]‡	do	T.						.01	T.	.03		.87	.19				T.					.01	.17		T.							.11	1.39

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Springfield City Office, Steffenville, Tarkio, Versailles, Wappapello Dam, Warsaw, and Washington University(St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for July 1940

(See precipitation data in daily precipitation table)

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly
Lakeside (Osage Dam)	Evaporation	.285	.253	.247	.282	.267	.278	.282	.252	.239	.193	.296	.119	.134	.256	.221	.185	.263	.258	.251	.311	.266	.273	.191	.226	.335	.376	.356	.346	.371	.346	.271	8.229
	Mean temperature	76	76	70	65	68	69	72	74	75	78	75	70	65	68	75	77	76	82	82	78	77	80	80	82	84	86	86	86	84	84	85	76.8
	Wind movement	44	24	33	38	24	27	26	17	17	11	21	31	29	29	21	15	29	31	22	27	29	35	16	31	40	64	47	53	40	38	6	915
St. Louis (Washington University)	Evaporation	.280	.251	.284	.326	.263	.258	.284	.254	.164	.222	.249	.239	.116	.254	.238	.280	.208	.211	.103	.240	.267	.197	.212	.244	.279	.384	.347	.193	.330	.332	219	7.728
	Mean temperature	77	73	69	68	72	74	75	75	78	82	81	66	67	70	78	70	72	72	76	76	78	82	82	86	88	88	86	88	88	86	88	77.8
	Wind movement	50	32	53	56	25	22	38	19	14	15	16	38	58	28	22	30	27	15	15	24	33	38	26	28	22	41	36	23	32	23	19	918

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports respectively. * Included in next measurement.

Continued from page 33

ing in severe damage to buildings, roofs, power and transmission lines, and trees. Corn was flattened and haystacks blown down. One person was reported injured. The storm moved from the northwest to southeast, with path from twelve to fifty miles wide, and was accompanied and followed by excessive precipitation. Counties reporting damage were Harrison, Mercer, Nodaway, Putnam, and the northern half of Worth. Places hardest hit were Blythedale, Cainsville, Eagleville, Martinsburg, and Hatfield in Harrison County and Princeton in Mercer County. The estimate of damage in Harrison County alone was placed at $100,000.

ERRATA

January 1940, page 2: Date of minimum temperature at St. Charles should be 19; maximum temperature at Garber should be 55 on 16; date of maximum temperature at Sedalia should be 16; page 5: minimum temperature at Lexington on 23d should be 3, mean minimum should be 3.0

February 1940, page 7: Mean temperature at Clifton Hill should be 30.8, departure should be +0.6; prevailing wind direction at Edgerton should be sw; greatest daily range at Arcadia should be 37; temperature departure for Northern Division should be 0.0.

June 1940, page 31: Precipitation on 10th at Advance should be none.

Daily Temperatures for July 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum...	87	86	83	86	88	88	92	94	89	97	88	81	82	90	92	91	89	101	97	95	93	94	97	103	105	102	96	101	104	100	101	93.5
	Minimum ...	60	61	58	55	54	53	59	61	66	67	68	64	55	54	56	64	63	63	70	69	69	69	71	72	73	76	75	71	77	73	74	65.3
Chillicothe §§	Maximum...	88	81	84	81	88	89	92	95	92	98	86	77	81	90	90	88	91	102	100	95	96	97	98	104	101	101	95	100	102	91	100	93.0
	Minimum ...	66	61	54	53	52	54	61	66	68	67	71	62	51	52	63	64	62	66	73	69	68	71	71	72	75	77	68	68	76	73	73	65.4
Columbia	Maximum...	88	83	80	81	85	85	88	89	88	94	85	78	78	87	89	86	87	91	93	92	91	89	92	98	99	98	96	99	101	100	100	90.1
	Minimum ...	65	61	60	57	54	61	61	61	68	67	73	62	55	58	66	66	63	70	74	69	69	68	70	73	77	76	76	76	75	76	78	67.5
Fayette	Maximum...	86	81	79	81	85	85	88	89	88	93	85	80	80	87	89	87	86	95	93	91	90	88	90	100	102	97	94	99	101	100	100	90.0
	Minimum ...	61	62	56	53	50	55	57	62	66	68	68	61	56	52	61	64	61	68	72	64	67	68	68	70	78	78	74	72	72	71	73	64.8
Grant City	Maximum...	82	79	78	83	84	86	90	92	90	95	85	74	79	86	84	85	90	100	100	95	95	95	96	101	105	100	91	95	98	90	94	90.2
	Minimum ...	65	58	57	53	53	60	59	61	70	66	67	61	53	55	65	63	64	72	73	72	64	68	68	72	77	77	65	73	74	68	72	65.3
Hannibal	Maximum...	86	80	79	81	85	86	88	90	89	95	88	75	78	87	92	82	85	88	93	93	93	92	94	97	102	99	95	100	102	99	97	90.0
	Minimum ...	64	60	55	54	56	60	62	64	66	68	71	57	55	54	65	62	58	64	69	67	67	68	69	72	76	76	70	77	76	75	76	65.6
Kansas City Airport.	Maximum...	88	83	79	83	87	89	91	93	94	97	84	77	79	88	91	87	96	100	100	95	91	91	94	101	102	99	98	100	102	101	101	92.3
	Minimum ...	71	65	58	56	56	69	69	70	74	72	68	63	57	64	72	68	71	78	79	74	71	74	74	76	81	79	73	80	80	78	75	70.8
Kirksville	Maximum...	88	85	82	85	88	88	90	94	91	97	90	79	82	89	93	87	90	96	99	96	96	96	97	102	105	102	95	98	101	90	99	92.6
	Minimum ...	65	58	53	56	55	57	59	66	70	66	67	59	50	52	65	64	59	68	71	66	66	67	70	73	82	69	68	67	76	73	72	64.8
Lawson	Maximum...	86	82	78	82	85	87	89	92	92	95	84	78	80	87	96	85	93	100	99	94	93	95	96	102	104	102	96	102	103	102	101	92.3
	Minimum ...	66	61	54	53	53	60	62	64	68	68	67	62	51	56	61	65	64	74	73	70	66	70	70	76	76	76	69	78	76	74	70	66.3
Louisiana	Maximum...	90	80	85	81	86	90	88	90	92	97	90	80	80	87	95	82	87	83	93	95	94	91	95	100	102	100	98	103	104	100	98	91.7
	Minimum ...	54	54	50	45	46	50	54	57	63	62	67	60	50	45	68	62	50	62	70	70	65	70	70	72	77	75	70	75	75	74	70	62.3
Macon §§	Maximum...	85	81	80	82	85	85	90	90	89	95	87	77	79	89	91	86	85	93	93	92	92	94	95	100	103	99	93	100	102	93	100	90.5
	Minimum ...	65	58	52	51	53	56	60	65	68	67	69	59	48	52	65	62	58	66	71	65	66	69	68	72	77	75	68	69	75	73	72	64.3
Maryville	Maximum...	88	80	79	83	83	85	91	91	92	95	91	78	77	85	84	85	89	99	98	94	93	94	96	102	105	100	95	95	96	93	92	90.6
	Minimum ...	65	57	56	58	55	60	61	61	71	67	68	61	54	57	66	65	65	72	71	73	70	68	68	73	77	77	67	77	77	68	72	66.5
Mexico §§	Maximum...	81	81	80	80	86	86	89	90	90	95	87	78	80	88	91	84	86	91	93	93	93	92	92	99	102	101	96	103	103	93	100	90.4
	Minimum ...	63	60	54	49	51	55	61	63	65	65	71	60	50	54	61	63	58	67	69	67	62	69	69	72	76	75	73	74	74	73	73	64.4
Moberly	Maximum...	87	83	84	83	86	86	89	92	91	97	92	83	80	88	93	86	87	95	94	92	91	93	95	101	104	100	96	102	103	99	102	92.2
	Minimum ...	55	53	52	49	52	55	58	61	66	65	68	60	51	52	51	53	59	67	70	64	64	68	70	72	76	64	66	73	74	72	73	62.5
Oregon	Maximum...	88	83	82	86	88	90	93	94	97	98	90	78	80	89	87	88	98	100	100	97	94	95	97	102	106	102	95	100	102	100	100	93.5
	Minimum ...	66	59	54	55	57	76	63	69	72	72	66	62	52	59	68	66	67	75	75	72	70	72	71	74	79	78	70	78	78	69	78	68.5
St. Charles §§	Maximum...	91	83	81	85	89	92	91	89	95	98	91	71	83	91	93	83	87	86	94	92	87	94	93	100	102	100	97	104	107	96	100	91.8
	Minimum ...	65	65	58	54	55	58	62	64	66	69	71	64	55	59	65	61	59	64	64	68	70	72	73	73	77	77	74	74	74	74	75	66.4
St. Joseph	Maximum...	86	82	80	81	86	87	90	92	93	95	87	76	80	87	86	87	94	98	98	95	91	90	95	100	103	101	93	100	102	99	99	91.5
	Minimum ...	68	63	59	56	56	65	66	69	72	72	68	61	57	62	70	69	69	78	78	74	70	74	74	74	80	74	70	79	79	71	74	69.4
Trenton	Maximum...	87	81	81	86	88	89	93	95	91	98	91	79	83	91	89	88	90	101	100	96	98	98	101	105	107	105	99	100	101	95	97	93.6
	Minimum ...	64	60	55	54	53	57	59	63	70	64	69	63	53	51	62	66	62	70	71	69	67	68	70	72	79	77	68	72	77	75	76	65.7
Unionville §§	Maximum...	87	82	85	84	87	88	90	95	88	96	89	77	80	88	90	85	90	98	102	95	95	97	98	104	106	103	85	96	98	90	97	91.8
	Minimum ...	61	56	53	54	56	58	56	64	69	67	66	58	50	52	61	59	60	65	70	69	67	68	70	71	76	75	66	69	74	70	69	63.8
Warrenton	Maximum...	86	85	79	79	84	87	87	87	90	94	94	87	77	85	86	86	85	84	90	90	90	88	88	95	98	98	98	98	100	100	95	89.4
	Minimum ...	63	61	54	50	55	54	60	62	64	67	70	60	51	52	64	60	55	63	65	65	65	70	70	70	75	74	70	74	74	73	75	64.0
Keokuk, Iowa	Maximum...	86	80	79	83	87	87	89	92	91	96	86	75	78	87	89	80	85	88	94	93	93	93	96	101	104	98	90	96	98	95	90	89.6
	Minimum ...	67	59	59	55	60	64	64	68	71	71	66	60	56	57	68	63	59	69	73	72	73	72	74	76	80	70	69	80	78	75	73	67.8
Southwestern Division																																	
Clinton	Maximum...	89	85	80	82	85	86	89	89	92	95	84	80	80	89	93	90	96	100	96	95	91	89	91	98	101	100	98	101	102	101	102	91.9
	Minimum ...	66	65	58	53	55	57	59	62	65	67	70	59	54	55	62	69	67	72	72	67	67	71	69	71	77	75	76	76	73	72	74	66.3
Eldon §§	Maximum...	89	83	79	81	85	86	88	88	90	96	84	71	79	87	91	89	89	98	94	93	91	90	91	100	100	99	98	100	101	102	105	90.9
	Minimum ...	64	66	57	50	50	54	55	60	62	65	69	66	53	54	62	65	62	65	70	63	64	67	69	70	72	73	73	72	73	71	71	64.1
Harrisonville §§	Maximum...	87	82	79	81	84	86	88	93	92	95	..	..	..	..	..	86	96	99	97	93	90	91	90	99	100	99	97	100	102	100	100	[e]92.5
	Minimum ...	62	65	58	58	58	59	58	64	66	68	69	..	..	..	..	..	70	71	71	73	74	69	69	70	76	73	77	75	72	69	72	[e]67.9
Jefferson City §§	Maximum...	89	81	78	80	84	85	87	87	89	95	85	75	75	86	91	86	89	94	94	92	92	92	92	101	101	101	98	101	102	101	102	90.5
	Minimum ...	59	63	56	53	50	54	58	58	61	63	63	61	51	49	56	63	58	66	67	63	63	68	67	69	73	71	70	73	74	72	72	62.7
Joplin	Maximum...	83	83	77	80	84	86	87	89	92	92	90	74	79	84	90	91	93	94	91	85	83	85	84	92	93	92	92	92	92	95	95	87.7
	Minimum ...	68	68	65	58	59	61	64	67	68	72	73	64	58	64	67	74	72	74	72	71	69	70	69	76	77	78	77	77	78	77	78	69.8
Lamar §§	Maximum...	90	85	83	83	87	90	90	93	95	97	93	76	82	90	94	97	97	101	99	94	88	90	90	96	97	97	96	97	100	100	100	92.5
	Minimum ...	63	64	60	52	53	53	58	61	63	65	68	70	55	55	61	62	69	70	70	68	66	70	67	69	74	72	73	73	72	71	71	65.1
Lebanon	Maximum...	86	78	75	77	84	85	86	85	89	93	85	79	76	87	89	86	92	93	92	90	89	88	89	94	94	93	95	95	98	100	99	88.4
	Minimum ...	62	63	56	52	50	52	56	58	59	64	68	61	51	56	64	67	62	69	67	63	65	68	66	71	73	71	70	71	70	71	69	63.4
Lexington §§	Maximum...	89	85	82	85	88	89	91	93	93	97	85	81	82	89	91	89	95	101	99	96	91	92	93	100	102	101	99	102	103	102	102	93.1
	Minimum ...	68	64	58	56	57	60	64	67	70	70	72	64	54	58	68	66	66	71	74	71	70	71	72	73	78	76	76	77	76	75	74	68.3
Marshall	Maximum...	87	85	80	80	84	85	88	88	87	94	92	85	80	81	91	89	89	98	98	95	91	90	96	98	100	100	99	100	101	99	99	91.3
	Minimum ...	59	63	57	55	55	58	62	65	68	65	68	62	53	55	55	64	63	71	72	68	69	72	70	71	79	75	75	77	74	74	73	66.0
Mountain Grove	Maximum...	81	83	79	81	81	82	75	81	89	92	93	78	81	85	92	93	88	87	88	88	86	84	86	92	94	92	93	94	97	99	99	87.5
	Minimum ...	61	63	58	51	53	57	62	63	60	63	66	61	54	56	66	70	65	67	65	65	64	67	66	71	73	70	70	70	71	71	73	64.3
Neosho	Maximum...	84	80	81	79	84	85	88	89	90	92	93	88	80	90	92	91	95	96	96	89	84	87	86	93	93	93	94	95	95	96	96	89.5
	Minimum ...	63	64	62	49	49	51	55	59	63	65	65	70	55	57	60	67	67	67	69	67	69	69	67	72	74	70	73	71	72	69	72	64.6
Nevada	Maximum...	91	85	81	85	89	90	91	93	96	98	95	78	83	90	95	96	98	101	100	95	90	92	89	97	99	100	99	101	102	102	103	93.7
	Minimum ...	64	67	60	51	52	55	55	67	66	66	68	69	54	58	62	70	70	70	70	69	66	69	69	74	76	73	75	76	73	71	72	66.4
Sedalia	Maximum...	91	87	80	89	87	86	89	90	90	95	94	82	79	90	92	92	92	101	96	94	91	89	92	98	100	100	98	101	102	101	103	92.6
	Minimum ...	65	65	58	52	59	58	63	63	66	68	70	63	55	58	64	67	63	73	73	67	68	71	71	71	78	76	76	76	75	74	74	67.1
Springfield Airport..	Maximum...	85	81	77	80	85	87	87	86	93	97	95	74	75	90	92	93	97	93	91	90	87	81	87	93	94	93	92	94	93	96	96	88.8
	Minimum ...	61	64	58	54	58	54	60	58	62	65	68	56	55	54	63	68	69	70	70	65	67	69	67	72	73	72	74	71	69	70	72	64.8
Warrensburg	Maximum...	91	84	82	88	86	88	90	92	92	97	93	82	81	90	92	90	96	102	100	96	89	94	91	101	103	102	100	103	105	103	102	93.7
	Minimum ...	66	65	57	54	55	61	64	67	64	69	67	64	52	60	64	67	66	74	74	69	69	71	70	73	76	76	77	77	77	74	74	67.5
Southeastern Division																																	
Arcadia §§	Maximum...	86	79	83	83	83	84	75	78	87	92	92	77	82	86	92	87	90	84	90	88	85	91	91	97	97	96	98	99	101	102	98	88.8
	Minimum ...	60	63	53	50	48	49	55	65	62	61	64	67	56	48	58	62	55	56	56	60	64	67	69	73	74	71	71	69	69	69	72	61.8
Birch Tree (near)	Maximum...	84	82	85	82	82	84	77	84	89	94	94	77	83	83	92	94	89	92	90	89	84	87	89	95	96	96	96	97	99	100	101	89.2
	Minimum ...	57	62	57	53	56	57	60	56	62	68	63	65	56	59	63	65	68	67	64	66	64	65	66	67	71	72	71	68	68	68	68	63.6
Caruthersville §§	Maximum...	89	83	83	82	82	84	81	72	86	90	90	75	80	87	80	87	85	87	90	89	91	93	95	94	95	94	95	96	98	99	97	88.0
	Minimum ...	61	68	69	62	61	64	64	65	65	68	69	68	55	56	66	69	66	65	66	68	71	73	74	75	75	75	74	74	74	77	74	68.1
Crystal City	Maximum...	93	..	88	82	81	87	84	84	90	95	93	93	81	87	92	82	85	83	90	89	89	92	94	99	100	99	96	101	103	102	99	[a]91.1
	Minimum ...	57	..	59	53	53	52	51	51	59	63	65	62	47	50	67	60	54	56	59	61	64	67	68	69	72	71	69	69	67	69	71	[a]61.2
Doniphan	Maximum...	85	82	83	83	82	85	79	80	87	92	94	90	81	85	93	86	88	81	90	88	86	97	95	96	96	95	97	97	98	99	100	89.4
	Minimum ...	58	63	65	55	50	55	65	68	64	62	65	67	63	56	65	66	63	61	57	64	67	68	71	70	73	71	70	70	68	67	70	64.4
Farmington	Maximum...	90	80	79	80	85	86	82	80	90	94	93	82	80	86	90	83	88	84	91	90	88	91	92	97	99	98	97	101	103	103	99	89.7
	Minimum ...	61	66	58	54	61	64	67	65	65	64	67	62	56	50	68	60	57	59	58	64	65	68	72	74	74	73	73	71	71	72	74	64.9
Jackson	Maximum...	89	83	83	84	82	87	82	80	89	92	92	84	80	85	94	90	90	89	90	88	90	91	93	92	95	94	96	96	98	97	98	89.5
	Minimum ...	58	66	62	57	53	52	59	68	62	64	65	66	59	53	62	64	65	55	59	67	67	70	73	74	75	74	74	72	70	72	72	64.8
Poplar Bluff	Maximum...	86	84	84	84	83	86	76	85	87	91	92	78	81	78	92	85	86	86	89	87	84	91	94	95	96	96	97	96	97	99	98	88.5
	Minimum ...	59	65	64	56	55	58	64	68	66	65	67	68	61	58	68	68	66	61	62	67	68	69	73	73	76	73	73	71	71	74	73	66.5
Rolla	Maximum...	86	78	74	76	81	82	83	82	86	91	85	72	76	83	87	82	86	85	88	87	85	85	87	93	94	91	93	96	98	98	94	86.0
	Minimum ...	65	66	57	54	58	59	60	61	63	68	69	55	53	55	65	65	62	68	65	65	66	70	68	72	76	73	74	74	73	74	73	65.4
St. Louis	Maximum...	88	84	80	83	87	87	87	87	90	96	91	78	80	86	92	82	85	84	90	89	87	91	91	99	100	98	98	100	102	98	97	89.9
	Minimum ...	69	65	59	58	66	67	68	68	69	76	77	63	56	62	71	59	65	66	70	71	72	73	76	76	81	81	79	80	78	82	79	70.4
Salem	Maximum...	85	77	75	76	80	82	78	81	85	89	89	75	75	84	89	84	85	81	87	87	84	89	84	94	96	96	95	97	98	98	96	86.2
	Minimum ...	61	63	57	48	48	50	59	63	59	61	66	68	54	52	65	64	63	68	61	64	66	69	66	71	74	72	73	69	71	72	69	63.4
Sikeston §§	Maximum...	89	84	83	83	84	88	80	86	92	94	95	75	80	92	95	85	90	92	95	91	88	93	97	95	102	103	106	107	111	98	100	92.0
	Minimum ...	61	64	63	57	57	60	62	66	65	61	67	67	59	60	69	70	61	63	64	61	70	70	73	73	75	73	74	72	73	75	72	66.4
Union	Maximum...	91	83	80	82	88	89	88	88	91	96	91	85	82	87	95	85	88	84	92	91	90	93	91	101	101	98	97	101	104	100	102	91.4
	Minimum ...	60	63	55	48	49	51	56	58	60	63	..	64	53	46	58	62	55	62	61	61	64	71	69	70	76	75	72	71	68	69	73	[a]62.1
West Plains	Maximum...	81	81	81	81	82	82	73	81	87	93	93	82	80	86	94	92	86	83	88	87	84	91	88	93	96	94	96	96	98	100	100	88.0
	Minimum ...	57	60	58	56	50	52	65	61	58	61	63	64	61	53	61	63	67	66	63	60	65	69	66	71	74	70	68	66	66	68	69	62.9
Cairo, Ill.	Maximum...	86	80	80	79	80	84	75	79	84	87	87	77	77	83	90	79	83	86	88	86	88	89	91	90	93	92	94	93	95	95	96	86.0
	Minimum ...	64	68	65	59	61	62	64	67	67	71	68	65	62	63	72	67	64	66	68	69	73	74	76	74	78	76	76	77	78	78	75	69.3

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

Vol. XLIV — August 1940 — No. 8

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GENERAL SUMMARY

August began with a continuation of previous high temperatures and rather severe drought conditions generally. The situation was relieved by moderate to heavy local rains during the first week, and the drought and protracted hot spell was definitely broken by much cooler weather and general soaking rains which began on the 8th. Rainfall during the remainder of month was more than ample, and temperature conditions moderate to rather cool.

Rainfall during the month averaged more than for any August since 1915, and the greatest for any month since May 1938. In only four years since the beginning of state-wide records in 1888, has the August rainfall exceeded that of August 1940. Local amounts ranged from 2.25 inches at Chillicothe to 12.31 inches at Buffalo. Rainfall amounts were above normal in all divisions of the State, but there were a few stations in each division with less than normal amounts, particularly in the Southeastern.

Crops, pastures, and garden truck made rapid recovery after the general rains beginning on the 8th, and additional rains and moderate temperatures during remainder of month were highly favorable for all growing crops, and the effects of the drought were mostly overcome, except in upland and early planted corn fields. Fall plowing was well advanced and some seeding of winter wheat for fall pasture was accomplished the latter part of month. Dwindling water supplies were replenished and there was some overflow of smaller streams and washing of fields due to excessively heavy local rains.—M. R. W.

TEMPERATURE

The monthly mean for the State, 86 stations reporting, was 75.6°, or 0.9° below normal. The highest monthly mean was 79.0° at Caruthersville, and the lowest monthly mean was 71.9° at Tarkio. The highest recorded was 107° at Warsaw on the 1st, and the lowest was 45° at Edgerton on the 20th. The greatest daily range was 42° at Licking(near) on the 21st.

PRECIPITATION

The average for the State, 145 stations reporting, was 5.78 inches, or 1.94 inches more than normal. The greatest local monthly amount was 12.31 inches at Buffalo, and the least local monthly amount was 2.25 inches at Chillicothe. The greatest amount in any twenty-four hours was 3.77 inches at Buffalo on the 18th. The average number of days with 0.01 inch or more was 12.

MISCELLANEOUS PHENOMENA

Flood.—Light flood in Grand River at Chillicothe on 14th.

Fog.—Dense, 7th, 13th, 14th, 16th, 19th, 20th, 21st, 22d, 28th, 29th, 31st.

Hail.—Light, 1st at Bolivar, 2d five mile east of Warrensburg, 13th at Amity, 26th at Kansas City Airport, 29th at Seymour and Springfield.

Halos.—Solar, 22d, 26th, 30th; lunar, 14th, 22d, 26th.

Thunderstorms.—Local, 1st, 2d, 4th, 6th, 7th, 9th, 10th, 11th, 12th, 13th, 14th, 18th, 22d, 23d, 25th, 28th, 29th, 30th, 31st; more or less general, 3d, 5th, 8th, 15th, 16th, 17th, 26th, 27th.

Windstorms.—On 2d at Marshall and 6 miles northeast of Warrensburg. At Marshall some damage to property, trees, and transmission lines. One person was injured by flying glass. On 8th at Gorin where some damage was done to a barn and outbuildings and some young turkeys killed. On the 15th

(Continued on page 41)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.99*	30.23*	19	29.72*	27	6.0	19	ne.	14	89*	61*	68*	66
Kan. C. Airport	29.97	30.30	19	29.68	27	8.3	40	nw.	26	85	56	58	60
St. Joseph	29.98*	30.30*	19	29.67*	26	7.0	30	nw.	5	91*	62*	68*	60
St. Louis	30.00*	30.21*	23	29.77*	27	8.7	35	s.	3	80	52	57	63
Springfield	30.00	30.24	19	29.75	27	8.2	31	ne.	29	94	64	74	55
Cairo, Ill.	29.98	30.20	24	29.77	27	5.7	20	nw.	27	88	58	62	76
Keokuk, Iowa	30.00	30 25	23	29.71	27	5.7	22	sw.	17	85	63	66	61

* Data for Airport Station.

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	74.0	110	45	7.03	5.95	7.84	7.30	0	11	..	..	..
1889	73.5	101	52	1.69	1.65	2.11	1.31	0	14	..	..	..
1890	73.3	106	47	5.13	4.25	7.21	3.93	0	9	..	..	..
1891	73.2	102	38	5.29	5.96	5.14	4.78	0	8	..	..	..
1892	74.3	102	44	2.65	2.24	2.63	3.08	0	6	17	8	6
1893	72.8	100	40	1.99	2.55	1.89	1.53	0	4	18	10	3
1894	77.0	111	39	1.64	1.00	1.59	2.33	0	5	14	16	1
1895	75.3	104	46	4.02	5.45	3.51	3.09	0	8	15	11	5
1896	76.6	108	41	3.13	3.32	3.25	2.82	0	6	17	10	4
1897	74.1	108	41	2.37	2.48	2.23	2.39	0	6	19	9	3
1898	75.8	103	44	3.13	2.93	2.88	3.57	0	5	17	10	4
1899	78.8	107	49	3.13	4.19	2.76	2.45	0	7	18	10	3
1900	80.3	105	52	3.55	2.99	4.79	2.87	0	6	19	9	3
1901	78.4	109	47	2.05	1.12	2.74	2.29	0	5	19	9	3
1902	75.0	103	47	6.06	5.66	6.79	5.74	0	10	14	11	6
1903	74.5	102	43	5.00	6.54	5.01	3.44	0	10	16	11	4
1904	73.7	100	43	5.40	5.61	5.84	4.76	0	8	16	10	5
1905	76.4	99	48	4.68	4.19	5.90	3.94	0	8	19	7	5
1906	76.6	101	40	4.70	3.99	5.10	5.01	0	11	14	10	7
1907	77.3	109	47	3.89	3.92	3.90	3.85	0	9	17	8	6
1908	76.4	102	46	3.46	3.63	3.61	3.14	0	8	17	9	5
1909	79.5	110	40	0.60	0.31	0.67	0.81	0	2	24	6	1
1910	74.7	103	40	2.92	2.63	3.56	2.57	0	6	15	9	7
1911	75.4	109	41	4.33	2.81	4.97	5.21	0	7	15	8	8
1912	76.2	104	41	4.04	4.77	3.42	3.93	0	9	17	8	6
1913	82.8	110	41	1.09	1.24	0.67	1.37	0	3	22	7	2
1914	78.0	106	49	4.25	3.73	4.53	4.48	0	9	15	9	7
1915	69.8	98	37	8.19	4.99	7.57	12.02	0	12	12	9	10
1916	79.2	107	41	4.09	5.39	2.55	4.33	0	7	19	7	5
1917	73.3	104	38	4.69	3.13	5.04	5.89	0	9	16	8	7
1918	81.8	111	45	3.57	3.22	2.91	4.59	0	8	17	9	5
1919	75.7	106	44	4.33	4.41	4.47	4.12	0	8	17	9	5
1920	73.1	102	43	4.69	3.56	5.94	4.56	0	9	15	8	8
1921	76.8	109	48	5.39	5.16	6.42	4.60	0	9	11	10	7
1922	77.5	107	46	2.44	2.68	1.67	2.97	0	6	18	8	5
1923	77.3	108	42	3.81	5.47	1.87	4.08	0	8	16	9	6
1924	77.2	106	48	4.11	3.66	4.50	4.18	0	7	19	8	4
1925	76.5	107	45	3.34	5.31	2.60	2.10	0	6	19	8	4
1926	77.5	106	50	5.65	4.03	6.39	6.53	0	10	15	9	7
1927	71.1	97	39	5.09	4 19	7.04	4.04	0	9	14	10	7
1928	76.4	99	45	5.48	4.37	6.75	5.33	0	9	15	10	6
1929	76.0	105	43	2.58	1.84	2.21	3.69	0	6	18	9	4
1930	78.5	114	47	1.99	2 39	1.87	1.70	0	6	16	10	5
1931	74.9	106	44	4.97	4.03	5.66	5.21	0	9	15	9	7
1932	77.2	106	46	5.70	7.82	3.86	5.42	0	9	18	9	4
1933	75.4	103	48	3.82	4.32	3.80	3.33	0	9	13	10	8
1934	80.6	115	41	4.01	3.36	2.83	5.83	0	9	14	11	6
1935	77.7	110	45	2.20	1.60	2.73	2.26	0	6	17	9	5
1936	84.6	116	43	0.84	0.90	0.91	0.72	0	4	20	8	3
1937	80.5	105	51	2.05	2.50	2.00	1.64	0	5	17	11	3
1938	81.1	108	53	2.62	4.62	1.78	1.47	0	6	20	8	3
1939	75.4	106	45	4.80	6.30	3.76	4.34	0	9	15	11	5
1940	75.6	107	45	5.78	5.47	7.21	4.67	0	12	10	12	9
....	....	..	..	....	....	....	....	....	..	..	..	..
Period	76.5	116	37	3.84	3.77	3.94	3.80	0	8	17	9	5

Natural History Library

Climatological Data for August 1940

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	45	73.2	− 1.8	98	2	46	21	33	47	3.74	−0.08	0.97	0	11	14	6	11	se.	A. S. Cumming
Brunswick	Chariton	652	59	75.6	+ 1.4	105	2	51	20	33	61	10.55	+6.61	2.26	0	15	14	8	9	e.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	2	73.7	......	96	1	49	20	28	10	6.35	+3.19	1.28	0	15	9	12	10	se.	Lockmaster
Chillicothe	Livingston	779	31	75.4	− 0.1	102	2	48	20	32	34	2.25	−1.71	0.64	0	11	15	7	9	se	Wm. J. Olenhouse
Clifton Hill	Randolph	731	41	74.4	− 1.6	100	2	48	20	34	31	8.01	+4.21	2.08	0	12	11	10	10	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	50	76.6	+ 0.3	101	2	52	20	26	50	6.64	+3.04	2.11	0	12	6	17	8	s.	U. S. Weather Bureau
Conception	Nodaway	980	51	72.6	− 2.1	99	3	50	20	31	56	7.29	+3.65	2.11	0	10	11	15	5	se.	Fr. Adelhelm Hess
Edgerton	Platte	856	20	74.4^a	− 0.7	100	4	45	20	39	29	5.99	+1.95	1.20	0	11	13	1	17	e.	Fred L. Stiff
Elsberry	Lincoln	449	9	75.8^a	− 0.7	99	1†	47	21	31	9	5.64	+2.38	3.50	0	10	9^a	15^a	6^a	nw.	Ray E. Mills
Fayette	Howard	760	60	75.4	− 0.5	100	1†	50	20	31	57	5.24	+1.68	1.73	0	11	16	8	7	nw.	Irvin E. Schnell
Fulton	Callaway	818	52	75.9	− 0.5	103	1†	49	21	34	48	5.47	+1.82	1.45	0	11	14	7	10	ne.	Clyde C. Herring
Grant City	Worth	1,134	36	73.4	− 1.5	98	2	46	20	35	48	6.47	+2.53	2.93	0	8	8	12	11	ne.	Howard Rybolt
Hannibal	Marion	759	48	75.0	0.0	100	2	52	20	26	56	4.97	+1.63	2.99	0	13	7	10	14	se.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	51	76.3	− 0.3	101	1	52	20	30	51	6.48	+2.39	2.12	0	12	9	11	11	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	2	75.6	......	101	1†	47	20	31	2	7.56	......	2.67	0	12	8	11	12	s.	University of Kansas City
Kidder	Caldwell	1,020	48	73.4	− 2.0	99	2	48	20	34	52	4.75	+0.79	1.31	0	10	17	6	8	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	51	74.7^d	+ 0.7	101	1†	49	20	33	58	3.69	−0.43	1.62	0	13	4	19	8	sw.	Howard Coons
Lawson	Ray	1,070	2	74.4	......	100	1†	48	20	35	2	7.05	.....	1.49	0	12	8	18	5	ne.	Elmer E. Lamb
Louisiana	Pike	469	46	76.8	+ 1.9	103	2	46	21	34	59	5.80	+1.26	2.00	0	13	6	24	1	w.	Stark Bro's Nurseries
Macon	Macon	875	41	74.6	− 1.5	103	2	48	20	36	47	5.29	+1.48	1.73	0	10	16	7	8	s.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	50	73.2	− 0.6	98	2	50	19	28	46	4.73	+0.75	1.60	0	13	11	6	14	se.	R. B. Montgomery
Memphis	Scotland	787	1	73.4	......	103	2	48	20	30	10	6.80	+2.83	1.69	0	14	3	8	20	se.	John W. Alexander
Mexico	Audrain	800	51	76.0	0.0	103	1†	50	20†	35	62	5.85	+2.00	1.87	0	12	15	6	10	s.	Mrs. Abbie Snoddy
Moberly	Randolph	875	3	75.2	......	101	1†	51	20	32	3	5.73	......	1.35	0	11	15	12	4	se.	Beverly Coomes
Oregon	Holt	1,048	84	74.6	− 0.6	101	1	50	19	30	84	4.48	+0.68	1.35	0	10	16	12	3	se.	Miss Mina Wright
St. Charles	St. Charles	520	52	76.9	+ 0.1	103	1	51	21	32	62	2.72	−1.52	0.78	0	8	15	12	4	s.	Martin L. Comann
St. Joseph	Buchanan	957	30	75.0	− 1.5	99	1	51	20	27	68	7.13	+3.30	2.30	0	13	10	12	9	e.	U. S. Weather Bureau
Steffenville	Lewis	650	42	74.7	− 1.8	105	2	48	20	35	47	5.63	+1.59	2.65	0	10	8	17	6	n.	Frank Hall
Tarkio	Atchison	916	37	71.9	− 3.3	98	1	49	20	30	46	7.68	+3.78	1.84	0	12	9	9	13	se.	Albert Volker
Trenton	Grundy	822	44	74.8	− 0.4	102	2	49	20	33	45	4.75	+0.87	1.19	0	11	13	11	7	s.	W. H. Estes
Unionville	Putnam	1,062	47	74.0	− 0.8	100	2	46	20	34	47	5.16	+0.88	2.63	0	9	18	3	10	se.	John H. Schick
Warrenton	Warren	816	58	74.5	− 2.0	98	2†	51	20	28	50	4.93	+1.26	1.92	0	13	3	20	8	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	68	74.6	− 0.4	101	2	54	20	30	68	6.11	+2.91	2.17	0	17	9	7	15	e.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**74.7**	**− 0.7**	**105**	**2**	**45**	**20**	**39**	..	**5.47**	**+1.70**	**3.50**	**0**	**12**	**11**	**11**	**9**	**se.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	36	74.4	− 3.3	97	1†	48	20	32	41	5.52	+1.40	2.33	0	7	14	14	3	sw.	E. S. Taylor
Appleton City	St. Clair	813	45	73.9	− 3.9	101	1	48	20	33	48	4.58	+0.62	1.18	0	11	12	4	15	ne.	Rolla Brown
Bolivar	Polk	1,071	37	75.7	− 1.2	102	1	50	31	36	45	7.79	+3.93	1.87	0	8	14	7	10	ne.	Southwest Baptist College
Boonville	Cooper	650	2	75.2	......	100	2	53	20	26	63	7.63	+3.08	2.00	0	12	15	7	9	se.	Boonville Water Dept.
Carthage	Jasper	962	6	76.0	......	97	1	49	20†	30	16	5.65	......	1.60	0	11	8	17	6	s.	Carthage W. and E. Plant
Clinton	Henry	786	47	76.2	− 1.4	102	1	49	20	31	53	6.11	+2.46	1.39	0	11	0	22	9	se.	U. S. Weather Bureau
Eldon	Miller	934	45	75.6	− 0.8	102	1	50	20	32	41	6.14	+2.48	1.24	0	13	4	10	17	sw.	E. H. Shepherd
Harrisonville	Cass	904	62	75.8	− 0.1	101	1	51	19†	33	65	6.26	+2.08	1.91	0	12	9	7	15	sw.	John H. Patterson
Jefferson City	Cole	557	50	74.8	− 1.9	102	1†	50	20†	33	58	8.27	+4.44	3.00	0	13	15	4	12	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	18	76.4	− 0.9	95	1†	54	20	23	35	9.07	+5.10	2.89	0	11	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	9	76.2	......	103	1	49	20	34	9	5.93	......	1.45	..	13	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	52	76.2	− 1.5	100	1†	49	20†	33	59	6.98	+2.69	1.75	0	11	9	14	8	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	52	73.4	− 2.7	97	1†	47	20	30	53	10.54	+6.05	1.95	0	14	4	17	10	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	55	76.8	+ 0.6	102	1	52	20	29	56	5.46	+1.94	1.15	0	11	15	8	8	s.	Miss Carrie Loomis
Lockwood	Dade	1,078	34	75.6	− 1.6	99	1	47	20	32	44	5 96	+1.26	1.85	0	13	6	23	2	se.	Hubert A. Nieman
Marshall	Saline	779	53	75.4	− 0.6	101	1	53	20	28	50	8.58	+4.68	1.61	0	14	16	11	4	ne.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	39	74.8	− 0.7	99	2	48	20	28	43	3.72	−0.62	1.24	0	8	5	22	4	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	28	75.6	− 1.1	99	1	47	20	33	40	6.70	+2.22	1.90	0	10	7	15	9	se.	G. H. Boswell
Neosho	Newton	1,011	53	75.8	− 1.3	96	1	52	21	32	57	8.28	+3.91	2.53	0	12	6	19	6	s.	U. S. Fisheries Station
Nevada	Vernon	862	47	76.6	− 0.5	102	1	49	20	31	48	6.41	+2.67	1.20	0	13	16	7	8	sw.	Henry Kraft
Ozark Beach	Taney	700	0	76.6	......	99	1	51	19	36	15	6.99	+2.66	3.41	0	9	21	4	6	......	V. Smith
Sedalia	Pettis	910	27	76.4	− 0.1	102	1†	48	20	32	29	6.78	+1.60	1.27	0	16	13	13	5	ne.	Dr. J. E. Cannaday
Seligman	Barry	1,542	39	73.0^a	− 3.2	91	1†	49	20†	25	37	6.39	+2.39	2.03	0	9	9^a	15^a	6^a	sw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	34	73.4	− 1 6	94	1	46	20†	29	34	7.13	+2.89	2.40	0	14	9	11	11	s.	A. L. Hailey
Springfield	Greene	1,301	52	74 6	− 1.1	97	1	49	20	28	52	5.36	+1.27	2.35	0	13	5	11	15	s.	U. S. Weather Bureau
Versailles	Morgan	1,037	13	71.3^c	− 4.2	100	1	50	20	31	16	9.55	+5.48	2.81	0	8	9	14	8	w.	Robert Olten
Warrensburg	Johnson	878	53	76.2	− 0.9	103	1†	51	20	32	60	6.54	+2.57	2 09	0	11	12	9	10	se.	E. A. Markey
Warsaw	Benton	687	39	77.0	− 0.6	107	1	49	20	37	45	6.85	+2.23	1.50	0	14	11	13	7	sw.	Everett Martin
Division means	**and extremes**	.....	..	**75.4**	**− 1.4**	**107**	**1**	**46**	**20†**	**37**	..	**7.21**	**+3.27**	**3.77**	**0**	**12**	**10**	**12**	**9**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	3	76.4	......	98	2	48	22	36	3	3.62	......	1.77	0	10	11	16	4	s.	U. S. Weather Bureau
Arcadia	Iron	926	59	75.2	+ 0.9	99	1†	46	21	36	62	4.70	+0.33	1.63	0	14	13	12	6	sw.	Arcadia College
Birch Tree(near)	Shannon	1,000	45	75.1	− 1.0	98	1†	50	21†	32	46	7.95	+3.19	1.60	0	9	16	10	5	......	V. H. Kirkendall
Campbell	Dunklin	314	14	78.2	+ 1.0	96	16	55	20†	30	14	5.96	−0.02	1.68	0	12	15	14	2	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	44	79.0	− 1.3	97	16	56	22	28	48	3.63	−0.06	1.50	0	11	25	1	5	e.	Victor T. Malloure
Crystal City	Jefferson	420	6	76.0	......	98	2	47	21	35	6	4.06	......	1.49	0	12	4	6	21	w.	Frank Magre
Doniphan	Ripley	314	36	77.2	− 0.4	97	2	49	21†	34	36	5.74	+1.50	1.77	0	10	16	4	11	se.	Boyce Lackey
Farmington	St. Francois	896	29	76.1	+ 0.7	98	2	49	21	34	43	3.28	−1.02	0.76	0	13	3	18	10	s.	F. M. Karsch
Goodland	Iron	1,000	47	71.2	− 0.3	99	2	46	20†	37	47	8.92	+4.68	2.05	0	13	9	14	8	s.	F. M. Adams
Greenville	Wayne	381	31	76.7	0.0	97	2	46	21	35	33	4.15	−0.13	1.65	0	7	8	17	6	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	49	77.1	+ 1.0	96	2	48	21	34	50	3.77	−0.31	0.83	0	7	14	13	4	se.	L. R. Crites
Koshkonong	Oregon	958	39	75 6	− 2.3	96	1	53	20	25	40	9.13	+4.97	2.38	0	10	13	10	8	se.	R. M. Hitt
Licking(near)	Texas	1,170	3	75.6	......	100	3	46	20	42	3	7.00	......	2.60	0	14	15	8	8	s.	U. S. Forestry Service
Marble Hill	Bollinger	470	45	77.8	+ 0.8	100	1†	49	21†	36	47	6.87	+2.75	2.96	0	7	19	9	3	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	35	77.8	− 0.2	96	1†	51	21	32	36	4.75	+0.18	2.05	0	9	18	11	2	w.	Mrs. J. H. Wolpers
Rolla	Phelps	1,202	40	74.2	− 2.0	97	2	50	20	26	56	4.94	+0.50	1.53	0	15	3	12	16	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	103	78.1	+ 0.9	99	2	58	20	28	103	4.11	+1.12	1.33	0	11	7	18	6	sw.	**Section Center**
St. Louis Airport	St. Louis	556	3	77.0	......	99	2	50	21	31	9	2.83	.....	1.02	0	13	3	15	13	e.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	28	78.0	+ 0.2	98	2	58	20†	28	28	2.56	−1.38	0.66	0	13	16	11	4	s.	St. Louis University
Salem	Dent	1,173	36	73.6	− 2.3	97	1†	48	19†	29	39	4.74	+0.17	1.53	0	14	13	15	3	s.	E. E. Martin
Sikeston	Scott	318	33	78.7	+ 1.1	99	5†	52	20†	38	43	3.12	−0.68	1.33	0	6	12	17	2	ne.	Mrs. Hazel P. Young
Union	Franklin	520	2	76.4	......	104	2	48	21	34	23	4.68	−0.02	1.14	0	12	9	10	12	s.	Robert Mueller
Wappapello Dam	Butler	475	1	77.6	......	98	2	51	21†	33	1	3.71	......	1.13	0	12	17	6	8	s.	J. E. Harns
West Plains	Howell	1,005	3	75.0	......	97	1	48	21	33	3	4.78	......	1.95	0	13	6	13	12	s.	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	68	78.4	+ 0.6	93	17	59	20	26	69	0.77	−2.25	0.34	0	7	5	15	11	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**76.6**	**− 1.4**	**104**	**2**	**46**	**20†**	**42**	..	**4.67**	**+0.87**	**2.96**	**0**	**11**	**11**	**12**	**8**	**s.**	
State means	**and extremes**	.....	..	**75.6**	**− 0.9**	**107**	**1**	**45**	**20**	**42**	..	**5.78**	**+1.94**	**3.77**	**0**	**12**	**10**	**12**	**9**	**s.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for August 1940

Stations	Drainage basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Amity[2]	Grand				T.	T.				1.60	.05	.70	.38	T.	.71	.07	T	.37	.47						T.	.06	.11	.41		T			4.93
Bethany	....do								.09	.71		.97	.60	.05	.05	.40	.07	.25	.05									.50					8.74
Bowling Green[2]	Mississippi						.65			.08	.27	.47		.53	1.23	.47	T.		.26									.70	.11				4.77
Brunswick[2]	Grand			.19	.82					2.26	.12	1.44	.95	.11		1.49	.22	.62	.67	.02						T.		1.60	.02			.02	10.55
Canton, Lock No. 20[2]	Mississippi			.82	.59	.41	.87			.04	1.06	.27	.02	.05		.07		1.02	.71						T.	.02	.01	.36	T.	T.			6.35
Centralia[2]	....do.			.09						.34	.75		.49		.23		1.00	.10	.15									1.92				.15	5.22
Chillicothe[2] ......(A)	Grand				.08					T.	.07	.31	.61		.01	.09	.03	.01	.49							.03		.46					2.25
Clifton Hill	Chariton				.46					.52	.80	2.08	.04		1.33	.03	.08	1.53										.91		.01		.22	8.01
Columbia [1]‡	Missouri		.01	T.		T.			.36	.31	2.11	.65			.20	.01	1.26	.45	T.								T.	.89			.34	.02	6.61
Conception	....do								1.55	.54	T.	.83	.31	.30	.41		.72	.08						T.		T.	2.11	.44					7.29
Edgerton	Missouri								1.18	.02		.97	.02	.65	.05		.90	.96	T.				T				.20	1.02	.02				5.99
Edina[2]	Mississippi				2.55					.49	.15	.36		.31		1.53			.89								.03	1.37	T				7.68
Elsberry	....do				T.	.36			.20		.90	.17		.02	.29			.01	.09									3.50	.07				5.64
Farber[2]	....do						1.84			.48	.46				.31				.41									1.26				.32	5.11
Fayette	Missouri			T.						.30	.75	1.73			.25	.12	.14	.74	.01				T.	.08				.97				.15	5.24
Fulton[2]	....do						.12		T.	.73	.93	.02	.05		1.30	.01		T.	1.45	T.								.70	.06			.10	5.47
Gallatin[2]	Grand									.85	.45	.75	.65		.20	.50		1.49	.65									.41					5.98
Gorin	Mississippi	.18	.25		.47				.55	T.	.62		3.41	.18	.27			.60	.24						T.	T.		.26			T.		7.03
Grant City	Grand					T.				1.69		2.93	.12	.28	.26		T.	.11	T.								.79	.26					6.47
Hannibal[3] ....(A)	Mississippi					2.99			.01	.03	.67	.03		.01	.03			.02	.09							.01	.40	.40	.28				4.97
Hermann[2]	Missouri					T.	.02		.14	.16	.40	.40	1.15		1.52			.07	.27									.55	.15				4.83
Kahoka[2]	Mississippi			2.70	1.30					.06	.50	.47	.95			.28	.06	.15	1.10							.28		.40				.06	8.31
Kansas City Airport [1]‡	Missouri			T.		T.			1.16	.03	T.	1.43	.01	.02	.53	T.	.51	.31					.01	.32	T.	T.	1.12	1.00					6.48
Kansas City University	....do								1.30	.16	T.	.46	.55		.03	.34	.72	.61	.15				T.	.57	T.		.07	2.60					7.56
Kidder[2]	Grand									1.31	.04	.22	.31	.78	.04	.11		.21	1.19									.54					4.75
King City	Missouri					.21			.25	.55		.73	.35		.05		.20	.01								.03	T.	.85					3.23
Kirksville	Mississippi			.02	.24					.01	.45	.20		.24	1.60	.02		.26	.02						.04	.02		.51					3.69
LaBelle[2]	....do			.09	1.48					1.63	*	.61		.84		.42		1.46										2.49	.12				9.14
Lawson	Missouri			.18			T.		.90	1.45	.02	.70		.32	.12	.10	1.49	.65							T.		.06	1.06					7.05
Linneus[2]	Grand			.82	.13					.09	.03	.37		.86		1.93		.10	.16								T.	.56					5.05
Louisiana ....(A)	Mississippi					.50			.36	.06	1.05	.18	.10	.05	.95				.15			.10						2.00	.10		.20		5.80
Lucerne[2]	Grand				.01	.04				.79	.45	1.06			1.00	.78	.10	.16	2.11						.05			.17					6.72
Macon[2]	Chariton			.40	.71					.16	.33	.52	.10			.41	T.	.44	1.73									.46	T.				5.29
Madison[2]	Mississippi				.01					.47	.51	.52			.02	.10		.25	.73	.02								.75				.12	3.53
Maryville	Missouri					.03			.39	.12		1.13	.07	.35	.58			.05	.02				.03			.02	1.60	.31					4.73
Memphis[2]	Mississippi			1.08	1.02					.29	.15	.39	.35	.37	.32	.25	T.	.38	1.69							.17	T.	.24	.10				6.80
Mexico[2]	....do					T.				.67	.49	.34	.02		1.60	.27	T.	.05	.45	.05								1.75		.03		.13	5.85
Milan[2]	Grand				.52					.08		.90	.14		1.05	.53		.58	1.82									.52					6.14
Moberly	Mississippi			.27	.53				T.	.43	.61	.97			.47	.03	.25	.45	T.									1.35				.34	5.73
Monroe City	....do					.09				.31	.80		.26		.24	.03		.73	.03									.58					3.07
Oregon	Missouri			T.		.10			.60	.12		.69	.85	.23	.10		T.	T.					T.	T.	.04		1.35	.40					4.48
Palmyra[2]	Mississippi						.99			.07	.34	.46		11		.12										T.		1.10	.04	.90			4.13
Paris[2]	....do		.22		.04		.07		.24	.07	.57	.45	.07	.07		.32	.05		.19								T.	1.00	.03	T.		.08	3.47
Perry[2]	....do					.20	.90				.25	.55				.05			.35									.75					3.05
Philadelphia[2]	....do						.75			.08		.10	.53	.44		.40											.05	.71					3.09
St. Charles[2]	Missouri						.19				.35	.51	T.		.37				.38	T								.78	.05		.09		2.72
St. Joseph[1]‡	....do			T.		.04			1.81	.29	.12	1.05	.29	.36	.05	T.	.65	.11					T.	T.	T.	.06	1.89	.41					7.13
Saverton, Lock No. 22[2]	Mississippi			.38	T.		.87			.16	.51	.48	T.	T.		.02			.08	.03					T.	T.	.05	1.07	.01	1.11			4.77
Shelbina	....do			.08						.21	.43	.38		.50		.41		.55	.27	.02								.36					3.21
Shelbyville[2]	....do			.30	.48					.25	.57	.53		.51					.85									.43					3.92
Steffenville	....do		T		.15				.12	.07	.85		.90		.31			2.65	.20							.03		.35					5.63
Tarkio	Missouri			.18		.03			1.60			1.24	.12	.01	1.47			.15					.15			.06	.80	1.84					7.68
Trenton	Grand								T.	.70	T.	.30	.55	.85	.05	.03	1.19	.67							T.	.02	T.	.36		.03			4.75
Troy[2]	Mississippi						.50			.70	.50	.40	.13	.01		.05		.25		.12								1.02	.06	.20	.60	.05	4.59
Unionville[2]	Chariton									.12	.08	.61			.48	.83		.10	2.63								.12	.16					5.16
Warrenton	Mississippi					T.			1.92	.09	.94		.06	.86		.04	.07	.15	.11									.47	.10		.10	.02	4.93
Keokuk, Iowa [1]†	....do		.35	.10		.51			.62	.03	1.34	.02	.16	.02	.03	T.	.01	2.08	.09				T.		.09	.01	T.	.23	T.	T.	.42		6.11
Southwestern Division																																	
Altona[2]	Osage									1.00	.10	.20	.80			.51	.14	.27	.03	T.				.32	.15		T.	.77					4.29
Anderson (near)	Neosho				2.33	T.			T.	.33	.66		T.		.16	T.	.60	1.18									T.	.26					5.52
Appleton City	Osage			.08	T.				1.18	.40	.48	.92				.26	.22	.30	.02					.02				.70					4.58
Bolivar	...do	1.70				T.		T.		.18	1.64	.18				1.62		T.	.60					T.				*	1.87				7.79
Boonville[2] ......(A)	Missouri				.09		.37			.12	.50	2.00	1.20			.72	.30	.25	.58									1.20				.30	7.63
Buffalo[2]	Osage					.48	.21			.33	.85	1.95				1.05		1.37	3.77									.57	1.15	.26	.32		12.31
Caplinger Mills	....do	T.	T.			.37			.10	.78	.73	.43			1.05	1.04	.29							T.				1.97					6.76
Carthage	Neosho		T.						T.	.08	.69	.67	.03			.24	.30	1.00	.10								.01	1.59	.94				5.65
Clinton[4]	Osage		1.39	T.					.91	.52	.99	.24		.05	.22	T.	.86	.19	T.					.17				.66					6.11
Concordia[2]	Missouri			.12	1.06					.46	.20	1.47	.20		T.	1.36	T.	1.65	.20									2.08					8.80
Eldon[2]	....do		.16				.47		.09	1.24	.49	1.22	.22			.09	.02		1.04	.01								1.00	.09				6.14
Galena[2]	White				.12	.03				.95	1.90	1.07	.06			.36	.58	1.15	.72									1.77	.02		.89		9.62
Hailey	....do			T.	.43			T.	.08	.14	2.31	1.50			1.20	1.33	.60	.13										2.40			.13		10.25
Harrisonville[2]	Osage				.24					1.85	.04	.25	.62			.33	.09	.39	.15					.35	.04			1.91					6.26
Jefferson City[2]	Missouri						1.30		.06	3.00	.43	.46	.12		.02	.01			2.20	.02								.40	.13		.12		8.27
Joplin[3]	Neosho					.18			.02	.12	.52	1.01			.05	2.11	.95	2.89										1.01	.18				9.07
Lakeside[2]	Osage		.23		.08		.28		.02	.98	.53	.65	1.45			.10		.01	.99									.57	.04		T.		5.93
Lamar[2]	Neosho									.20	.65	.45	.30			.50	.95	.63	.75					T.				.80	1.70	.05			6.98
Lebanon	Osage	.02		.65		.54			.03	1.95	1.53	.33	.12			1.70		.64	1.07								.02	.64		1.30			10.54
Lexington[2]	Missouri				.02					1.03	.02	1.10	.08		.02	.38		.97	.64									1.15		.05			5.46
Lockwood	Osage	.12	.01			.01			.20	.46	.68	.20	.01			.30	T.	1.47	.20				T.					1.85	.45				5.96
Marshall	Missouri			1 60	.25					.35	1.20	.47	1.19	.13	.02	1.04	.05	.57	.08									1.61		.02			8.58
Mountain Grove	White	T.		.10						.99	1.24	.20						.43									.08	.39	.29				3.72
Mount Vernon	Neosho									.20	1.90	.10	.15		.35	.75	T.	.70	.55									1.70	.30		T.		6.70
Neosho	....do				1.92		.37		T.	.10	.77	.60	.05			.02	.61	2.53	.90								T.	.32	.09				8.28
Nevada	Osage			.15					.80	.77	.20	.80			.55	1.20	.32	.27	.03				.30	.20				1.05			T.		6.64
Osceola[2]	... do									1 20	1 05	.65	.27			1.12	.70	2.35	.25									1.20					8.79
Ozark Beach[2]	White				.34					1.68	1.73	1.57				.36		.05										.17	.20	.89			6.99
Pleasant Hill[2]	Osage				T.	.01				.96	.04	.46	.48			1.12	.03	.44	T.				T.	.05				3.31					6.90
St. Thomas (near)[2]	....do.						.65		.54	2.36	.43	1.05				.03			.94									.63	.15	T.	.20		6.98
Sedalia	Missouri				.63	.02			.13	.59	1.09	1.00	.19		.49	.13	.03	.64	.54					.01	.01			1.27				.01	6.78
Seligman	Neosho	T.		T.	T.				.07	.15	2.03	.79					.77	.54	.17								.38	1.49	T				6.39
Seymour (near)	White	.71	.06					.16	.14	1.47	2.40	.41				.14		.08						.28				.64	.05	.25	.34		7.13
Springfield [1]‡	....do	T.			.12	T.		.06	.26	.69	2.27	.12			.05	.11	.07	T.	.02								.01	.91		.67			5.36
Stover[2]	Missouri					T.				1.59	.47	.66	.26			.42		.75	.80									.32	.06	.53			5.86
Versailles	Osage					.30			T.	1.12	.77	2.81				.26		1.25	1.87									1.17	T.				9.55
Warrensburg	Missouri		.15	T.	T.				.35	.41	.66	.72			.21	.10	.43	1.39										2.09	T.	.03			6.54
Warsaw ....(A)	Osage				.09	.02	.02		.11	.91	1.30	1.50	.35			.46	.29	.75	.17						.10			.78					6.85
Waverly[2]	Missouri			T.						.90	.11	1.00	.45	.25	.50	1.75	.40	1.35	1.00				T.	.02				2.00					9.73

Continued on next page

Daily Precipitation for August 1940—Continued from preceding page

Stations	Drainage-basins	Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southeastern Division																																	
Advance⁴	St. Francis	....	....	....	....	....	.12	....	.20	.40	1.77	.27	....	....	....	.11	....	....	.10	....	....	....	....	....	....	....	.06	.54	.05	....	....	....	3.62
Alton (near)	Black	....	....	.95	....	....	.38	....	.86	.67	1.38	.87	....	.13	....	....	....	.54	.68	....	....	....	....	....	....	....	.81	.64	....	....	....	....	7.91
Annapolis	St. Francis	....	....	.04	.02	....	....	....	....	2.05	.45	.56	....	.23	....	....	.56	.66	.90	....	....	....	....	....	1.20	....	....	.81	....	....	....	....	7.48
Arcadia³	....do	.16	....	....	.07	....	....	....	....	1.63	.49	.14	.02	.03	.07	....	.37	....	.70	.10	....	....	....	....	....	....	....	.10	.22	.60	....	....	4.70
Belleview	Meramec	....	....	....	....	....	....	....	....	1.60	.58	.32	.58	....	....	....	....	....	1.31	....	....	....	....	....	....	....	....	.30	.70	....	....	....	5.39
Birch Tree(near)	Black	....	....	1.25	....	....	....	....	....	1.50	1.60	1.11	....	....	....	.79	....	....	.17	....	....	....	....	....	....	....	.30	.81	.42	....	....	....	7.95
Bragg City²	St. Francis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Campbell	....do	....	....	....	....	....	.34	.30	....	1.68	.61	.23	....	....	....	.31	....	.02	1.18	....	....	....	....	....	....	.01	.33	.79	.16	T.	....	....	5.96
Cape Girardeau²	Mississippi	.01	....	....	.23	....	....	.90	....	....	.10	.98	.44	T.	....	....	....	....	.11	.02	....	....	....	....	....	....	....	.25	.48	....	....	....	3.52
Caruthersville²	....do	....	....	....	....	....	....	.10	....	.02	1.50	.54	.23	....	....	....	.26	....	.20	.12	....	....	....	....	....	....	....	.16	.45	....	.05	....	3.63
Centerville²	Black	.17	....	....	.22	....	....	....	....	1.14	1.29	.05	.58	.64	.17	....	.49	....	1.11	....	....	....	....	....	.01	....	....	.19	.59	.03	.01	....	6.69
Crystal City	Mississippi	....	....	....	....	....	....	....	.02	.03	.59	.20	....	.19	.21	.05	....	*	1.49	....	....	....	....	....	....	....	....	.34	.75	.19	....	....	4.06
Cuba²	Meramec	....	....	.27	....	.65	....	....	....	....	1.05	....	.85	....	....	....	.51	....	....	....	....	....	....	....	....	....	....	.34	.53	....	....	....	4.20
Dexter²	St. Francis	....	....	....	....	....	....	T.	.12	....	1.18	1.30	.12	....	....	....	....	....	.09	.17	....	....	....	....	....	....	....	.02	.43	.44	....	T.	3.87
Doniphan	Black	....	....	....	.15	....	....	....	....	1.77	.77	.19	.22	.40	....	.32	....	....	.36	....	....	....	....	....	....	....	....	1.06	.50	....	....	....	5.74
Farmington	St. Francis	....	....	T.	T.	.21	.18	.69	.09	.27	.56	.04	T.	....	.19	.14	....	.03	.73	....	....	....	....	....	....	....	....	.03	.12	....	....	....	3.28
Fisk²	....do	T.	....	....	.02	....	....	....	....	.27	1.21	.31	.07	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	.06	.37	T.	....	....	2.31
Fredericktown²	....do	.95	....	....	....	....	....	....	....	.06	.44	.14	.12	....	....	....	....	....	.70	.20	....	....	....	....	....	....	....	....	.08	....	....	....	2.69
Goodland	Black	....	....	1.18	.51	....	....	....	.27	1.46	1.10	.10	.32	....	....	2.05	....	.25	1.12	....	....	....	....	....	....	....	....	.24	.18	.14	....	....	8.92
Greenville	St. Francis	....	....	....	....	....	.10	....	....	.55	1.15	.05	....	....	....	.65	....	T.	T.	....	....	....	....	....	....	....	....	1.45	.20	....	....	....	4.15
Jackson	Mississippi	....	....	.53	....	....	.26	....	....	....	.56	.81	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.83	.15	.63	....	....	3.77
Jerome²	Gasconade	....	....	....	.05	.63	.19	....	....	.24	1.10	.88	.20	....	....	....	....	....	.33	....	....	....	....	....	....	....	....	.46	.70	.06	....	....	4.84
Koshkonong	Black	.50	T.	2.38	....	....	.39	....	....	1.01	2.28	.57	.02	....	....	....	....	....	.93	....	....	....	....	....	....	....	....	.87	.18	....	....	....	9.13
Leeper²	....do	....	....	....	.40	....	....	.15	....	1.16	.80	.45	.05	.22	.29	....	.20	....	.20	....	....	....	....	....	....	....	....	....	.70	....	....	....	4.62
Licking (near)	Gasconade	.24	....	.48	....	....	.09	....	....	.73	1.11	2.60	.01	....	....	.40	....	.60	.19	....	....	....	....	T.	....	....	.20	.32	.02	.01	....	....	7.00
Marble Hill	Mississippi	....	....	....	....	....	2.96	....	....	.10	1.58	.84	....	....	....	.10	....	.14	....	....	....	....	....	....	....	....	....	1.15	....	....	....	....	6.87
Meramec Park²	Meramec	....	....	....	.19	....	.30	....	....	1.23	1.23	....	....	.73	.98	....	.23	....	1.23	....	....	....	....	....	....	....	....	1.18	.18	....	.14	....	7.62
Morehouse	Mississippi	....	....	....	....	....	....	T.	....	.35	1.53	1.63	....	....	....	....	....	....	.38	....	....	....	....	....	....	....	....	.13	....	....	....	....	4.02
New Madrid²	....do	.13	....	....	....	....	T.	T.	....	....	.91	.47	.22	....	....	....	....	....	.26	.84	....	....	....	....	....	....	....	.17	.64	....	....	....	3.67
Owensville²	Gasconade	....	....	....	....	....	....	....	....	.44	....	.46	.36	....	....	....	....	....	.43	....	....	....	....	....	....	....	....	.70	....	....	....	....	2.39
Pacific²	Meramec	.15	....	....	....	....	....	....	....	.45	.83	.01	....	....	....	.47	....	....	....	....	....	....	....	....	....	....	....	.87	....	....	....	....	2.78
Parma²	St. Francis	....	....	....	....	....	....	.40	.06	.20	.90	1.45	....	....	....	....	....	....	.50	.10	....	....	....	....	....	....	....	.14	.22	T.	....	....	3.97
Poplar Bluff² ....(A)	Black	....	....	....	.22	....	....	....	....	1.47	2.05	.15	.16	....	.11	....	....	....	.20	....	....	....	....	....	....	....	....	.02	.37	T.	....	....	4.75
Richwoods²	Meramec	....	....	....	.15	....	.02	....	....	....	1.00	....	....	.80	....	....	.09	.70	....	....	....	....	....	....	....	....	....	.19	.09	....	.80	....	3.84
Rolla⁴	....do	....	....	.65	.12	.01	....	....	.95	.73	.80	.21	.04	....	.01	.13	....	.12	.08	....	....	....	....	....	....	....	.09	.92	....	.08	....	....	4.94
St. Louis:																																	
City Office¹‡	Mississippi	....	....	.70	.29	.08	....	....	T.	.02	.40	.52	T.	T.	T.	T.	T.	1.25	.08	....	....	....	....	....	....	....	.03	.72	.02	....	....	T.	4.11
Airport⁴‡	Missouri	....	....	T.	.01	.34	....	....	T.	.01	.38	.22	T.	.04	....	....	....	.10	.62	....	....	....	....	....	....	....	.04	1.02	.02	.01	....	.02	2.83
St. Louis Univ.....³‡	Mississippi	....	....	.11	.20	.12	....	....	T.	.01	.33	.47	....	.02	....	.01	T.	.59	.07	....	....	....	....	....	....	....	.02	.60	.01	....	....	....	2.56
Washington Univ.²‡	....do	....	....	....	....	.18	.15	....	....	....	.25	.41	.03	....	.45	....	.02	....	.16	.01	....	....	....	....	....	....	....	.89	.05	.01	....	....	2.61
Salem²	Meramec	....	....	....	.25	....	.71	....	....	.71	1.53	.19	.04	.05	....	.06	.54	....	.25	.04	....	....	....	T.	....	....	....	.06	.26	.05	....	....	4.74
Sikeston²	Mississippi	....	....	....	....	....	....	.03	....	....	.43	1.33	.12	....	....	....	....	....	.61	....	....	....	....	....	....	....	....	T.	.60	....	....	....	3.12
Union	Meramec	....	....	.04	.11	.29	....	....	.55	.27	.76	....	1.14	.05	....	T.	....	.45	....	....	....	....	....	....	....	....	....	.45	.45	....	.12	....	4.68
Valley Park²	....do	....	....	....	T.	T.	.13	....	....	.10	.21	.65	T.	....	T.	....	.21	.06	.35	T.	....	....	....	....	....	....	....	1.70	T.	.21	T.	....	3.62
Van Buren	Black	....	....	.07	....	....	....	T.	....	2.00	.80	.59	T.	....	....	....	....	*	.59	....	....	....	....	....	....	....	....	.85	.11	....	....	....	5.01
Wappapello Dam²	St. Francis	.10	....	....	....	....	....	.02	T.	.19	1.13	.02	.05	....	.68	....	.21	....	.51	.05	....	....	....	....	....	....	....	.02	.73	....	....	....	3.71
West Plains⁴	Black	.05	T	.28	....	....	....	....	.09	1.56	1.16	.09	....	T.	.64	.02	....	.02	.01	....	....	....	....	....	....	....	.10	.58	.18	....	....	....	4.78
Williamsville²	....do	1.62	....	....	.01	....	....	.36	.02	.67	1.68	.08	.58	.06	.16	....	....	....	.11	....	....	....	....	....	....	....	....	.07	.82	.02	....	....	6.29
Willow Sprgs (near)²	White	....	....	....	.27	....	.58	....	....	1.15	1.25	.58	.38	....	....	....	....	....	.19	....	....	....	....	....	....	....	....	.21	.50	.10	....	....	5.21
Zalma(near)²	Mississippi	.18	....	....	....	....	....	.16	....	.09	.71	2.14	.05	....	....	....	.22	....	.02	....	....	....	....	....	....	....	....	.10	1.08	....	....	....	4.75
Cairo, Ill.¹‡	....do	....	....	....	....	....	.12	T.	....	.08	.03	.05	....	....	....	....	....	.01	.33	....	....	....	....	....	....	T.	....	.15	T.	....	....	T.	0.77

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Springfield City Office, Steffenville, Tarkio, Versailles, Wappapello Dam, Warsaw, and Washington University(St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for August 1940

(See precipitation data in daily precipitation table)

Station	Data	Day of month																															Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside ..... (Osage Dam)	Evaporation	.335	.246	.285	.195	.235	.249	.280	.203	.256	.039	.036	....	.213	.196	.200	.200	.228	.173	.170	.211	.150	.167	.137	.110	.204	.242	.253	.059	.140	.104	.134	5.838
	Mean temperature	86	86	83	82	80	79	76	82	72	72	75	80	80	82	81	82	80	72	67	63	66	70	72	75	76	78	72	74	74	72	72	76.2
	Wind movement	28	15	5	32	20	38	37	24	33	22	27	27	15	13	19	16	22	36	93	38	18	18	20	23	31	35	42	30	3	19	11	810
St. Louis (Washington University)	Evaporation	.277	.238	.317	.231	.122	.239	.291	.211	.138	.061	.054	.091	.125	.107	.199	.109	.186	.083	.133	.225	.235	.161	.174	.246	.128	.228	.247	.105	.164	.195	228	5.548
	Mean temperature	86	87	84	80	84	78	77	80	74	72	76	81	80	81	81	82	83	74	66	64	65	69	72	71	78	81	78	76	77	76	74	77.0
	Wind movement	27	16	20	23	27	41	41	20	23	19	31	22	19	14	20	10	16	13	37	53	21	13	26	38	17	37	43	27	22	18	25	779

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports respectively. * Included in next measurement.

Continued from page 38

a very local windstorm struck the Skyhaven Airport, in St. Louis County, doing damage estimated at $3,000. One person suffered minor injury and four men were shocked by accompanying lightning in the vicinity.

ERRATA

March 1940, page 12: Mean temperature at Clinton should be 43.0, departure should be − 2.0; days cloudy at Nevada should be 11; mean temperature at Arcadia should be 42.4, departure should be − 2.2.

April 1940, page 18: Prevailing wind direction at Lakeside should be SW.

July 1940, page 34: Greatest precipitation in 24 hours at Clinton and Rolla should be 0.50 and 0.48 respectively; mean temperature at Rolla should be 75.6, departure should be − 2.1; page 35: precipitation on 23d and 24th at Altona should be .70 and .09 respectively; page 37: Minimum temperature at Rolla on 2d should be 63, mean minimum should be 65.3.

Daily Temperatures for August 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	104	105	100	96	93	89	91	82	77	71	84	80	94	90	84	92	85	75	71	76	80	87	82	87	88	90	80	81	82	87	82	86.1
	Minimum	75	75	73	70	70	64	58	58	68	68	68	70	70	70	69	70	69	70	55	51	52	55	62	63	63	68	68	67	64	57	57	65.1
Chillicothe §§	Maximum	101	102	98	96	93	84	89	86	82	75	84	89	92	86	85	91	86	76	75	76	82	86	81	90	91	90	82	81	84	86	82	86.5
	Minimum	74	76	73	69	71	59	58	67	68	68	68	69	69	71	69	71	68	65	53	48	52	56	59	61	62	70	66	61	61	54	57	61.8
Columbia	Maximum	100	101	96	95	94	88	89	89	76	77	82	90	92	90	88	93	89	71	74	75	79	85	80	86	89	90	79	85	86	85	82	86.4
	Minimum	75	76	75	72	74	68	65	69	68	66	70	70	70	70	70	71	71	65	55	52	55	61	63	64	70	70	68	65	65	59	62	66.9
Fayette	Maximum	100	100	98	91	94	88	90	90	78	72	82	89	90	91	88	91	89	72	73	75	78	84	79	85	87	88	81	82	82	83	80	85.7
	Minimum	73	74	73	70	72	64	59	67	67	65	69	70	69	69	69	69	69	65	54	50	52	59	62	62	68	66	66	67	63	58	59	65.1
Grant City	Maximum	97	98	91	95	87	79	85	91	83	78	80	84	82	83	84	85	78	76	75	81	79	85	79	86	86	85	80	88	83	82	80	81.0
	Minimum	72	70	73	67	66	58	55	58	65	66	66	68	70	68	66	72	68	62	60	46	51	61	57	61	69	67	65	60	56	51	53	62.7
Hannibal	Maximum	97	100	96	94	94	82	81	89	78	75	84	88	86	83	86	91	93	72	71	73	79	81	77	78	87	90	81	83	84	85	80	84.6
	Minimum	74	77	73	72	69	61	62	66	68	67	69	70	71	69	69	70	70	69	55	52	53	58	58	57	64	70	67	67	63	59	60	65.5
Kansas City Airport.	Maximum	101	98	94	99	92	85	91	80	78	74	81	88	91	89	86	90	81	75	74	73	82	82	78	86	89	89	82	83	83	85	83	85.2
	Minimum	79	78	79	72	73	64	61	67	69	67	68	71	72	70	72	69	69	61	56	52	57	67	66	69	74	66	67	64	67	60	64	67.4
Kirksville	Maximum	101	101	101	96	92	87	89	89	81	81	85	93	88	78	87	92	88	75	72	75	80	81	78	81	84	87	81	79	82	85	79	85.6
	Minimum	72	75	74	67	72	59	56	65	68	65	68	69	68	66	67	70	70	63	53	49	51	60	60	..	..	..	..	64	61	55	56	[d]63.8
Lawson	Maximum	100	100	98	97	92	81	90	80	79	72	80	87	91	89	83	90	80	75	72	73	78	82	79	86	87	88	80	81	82	83	80	81.5
	Minimum	74	74	74	70	69	59	55	66	66	65	67	69	69	70	69	69	68	63	52	48	55	61	61	62	70	69	65	58	63	55	61	61.4
Louisiana	Maximum	101	103	100	97	100	86	88	90	83	85	85	90	90	90	87	95	90	75	75	75	80	85	80	80	90	92	90	94	92	90	85	88.5
	Minimum	68	75	76	75	72	70	54	60	70	73	70	68	70	68	70	70	68	66	57	47	46	60	59	57	61	67	67	61	62	65	60	65.1
Macon §§	Maximum	102	103	95	94	93	85	87	88	79	73	83	89	88	85	85	92	87	75	71	71	87	94	85	86	85	90	80	82	85	85	81	86.2
	Minimum	71	75	72	67	72	60	56	65	66	51	65	67	68	69	67	67	68	66	51	48	51	59	58	57	61	67	65	65	60	56	57	62.9
Maryville	Maximum	96	98	91	91	88	81	84	81	80	78	80	82	84	82	81	86	78	76	71	71	79	83	77	89	89	81	71	78	81	81	80	82.8
	Minimum	72	70	71	68	67	57	60	68	65	65	66	68	69	69	67	70	68	62	50	54	51	62	58	62	68	66	63	60	60	55	55	63.5
Mexico §§	Maximum	103	103	100	96	98	89	90	86	79	76	85	90	92	90	90	91	92	74	75	75	80	85	80	87	92	92	82	86	88	84	83	87.6
	Minimum	72	75	71	70	75	65	55	60	66	64	65	69	69	68	68	68	70	67	51	50	50	58	60	63	63	67	66	65	62	58	59	61.3
Moberly	Maximum	101	101	100	97	93	87	90	86	78	73	75	90	91	86	85	96	86	75	74	75	78	85	86	88	89	89	86	82	85	84	80	86.2
	Minimum	72	73	74	69	73	63	58	60	65	64	68	69	71	68	67	68	69	64	58	51	52	57	62	59	61	66	65	67	59	55	58	64.1
Oregon	Maximum	101	100	89	98	90	87	90	81	85	82	80	87	91	86	89	86	79	72	73	78	80	85	78	89	92	88	80	78	82	85	81	85.2
	Minimum	75	72	73	69	65	57	60	65	65	65	66	69	70	70	63	71	68	62	50	52	55	62	59	65	68	66	63	58	61	58	57	64.0
St. Charles §§	Maximum	103	96	93	93	95	89	88	88	76	78	81	85	89	91	89	96	92	76	76	73	81	83	79	87	92	91	83	86	89	87	81	86.8
	Minimum	76	74	74	74	74	69	61	69	69	68	69	71	72	70	71	69	72	70	59	55	51	56	62	57	60	71	70	68	67	61	64	67.0
St. Joseph	Maximum	99	99	87	97	88	83	88	74	81	80	81	86	91	85	86	86	82	77	75	75	80	83	77	83	88	88	78	81	83	81	81	84.2
	Minimum	78	75	77	70	68	62	62	66	66	65	67	70	72	71	71	70	69	61	55	51	57	63	62	66	70	69	65	62	63	60	58	65.8
Trenton	Maximum	101	102	94	95	90	84	89	84	81	75	84	89	91	81	86	91	85	77	76	76	81	85	80	89	88	90	87	81	85	86	82	86.1
	Minimum	72	74	73	68	70	57	56	65	68	68	67	69	68	70	69	71	68	64	51	49	52	60	58	61	62	68	66	58	61	53	51	63.5
Unionville §§	Maximum	99	100	97	97	97	85	89	91	85	74	85	90	91	82	85	95	86	76	75	75	80	89	76	80	86	91	83	80	86	87	83	86.3
	Minimum	72	74	73	66	68	54	58	65	66	65	65	69	66	68	65	63	65	64	51	46	52	56	56	57	55	68	65	58	59	53	52	61.7
Warrenton	Maximum	96	98	98	89	89	87	83	83	76	79	84	84	83	92	81	89	89	73	70	70	78	81	81	84	88	90	88	86	78	83	80	81.3
	Minimum	70	74	73	70	71	73	60	67	67	65	69	69	68	67	68	67	69	67	51	51	52	54	60	56	65	66	67	64	63	60	61	64.7
Keokuk, Iowa	Maximum	100	101	96	93	87	82	84	87	78	74	83	81	84	79	89	93	90	75	70	73	78	83	74	67	83	87	80	81	81	84	76	83.1
	Minimum	70	77	71	73	71	64	62	67	70	66	70	72	72	71	70	73	70	63	55	51	55	63	57	57	64	71	67	67	66	60	58	66.0
Southwestern Division																																	
Clinton	Maximum	102	101	97	96	95	87	93	90	75	70	83	90	94	95	89	93	86	76	75	75	80	84	82	88	88	89	83	85	85	86	87	87.1
	Minimum	72	72	72	72	72	65	62	67	67	66	68	69	69	70	69	69	68	60	55	49	53	60	67	66	68	68	64	64	64	58	60	65.3
Eldon §§	Maximum	102	101	96	96	94	88	91	92	74	72	83	90	94	95	90	94	88	73	75	76	79	85	79	87	89	91	77	84	86	85	85	86.8
	Minimum	70	70	71	71	71	68	60	63	67	65	65	69	67	69	67	69	67	69	55	50	52	53	59	62	62	67	66	63	64	60	61	64.3
Harrisonville §§	Maximum	101	98	96	97	95	89	92	87	76	73	82	87	92	95	86	89	83	77	76	73	80	82	78	85	87	89	85	86	86	85	84	86.2
	Minimum	73	75	73	72	71	61	61	68	65	65	66	67	69	62	69	70	68	66	51	51	56	58	65	66	69	68	65	65	64	60	62	65.3
Jefferson City §§	Maximum	102	102	98	95	94	89	89	90	71	76	83	90	92	90	90	92	90	75	75	76	79	86	80	85	88	90	78	85	88	85	80	86.6
	Minimum	69	71	73	69	72	65	60	63	61	62	62	67	67	67	67	66	67	66	52	50	50	55	58	59	61	66	64	61	61	58	59	62.9
Joplin	Maximum	95	90	95	87	91	88	90	87	71	70	77	87	91	91	90	83	78	76	73	73	78	80	84	84	88	84	85	80	86	81	86	83.8
	Minimum	78	78	75	78	76	71	70	71	67	67	70	70	72	74	72	74	70	63	57	54	55	63	66	68	70	76	68	67	68	67	65	69.0
Lamar §§	Maximum	100	97	100	95	95	92	96	95	72	72	81	91	94	97	94	90	83	78	78	76	82	82	87	89	90	93	88	83	90	82	90	88.1
	Minimum	71	71	71	71	72	68	67	67	67	65	65	66	67	67	69	69	69	68	53	49	49	50	60	63	64	68	64	61	62	61	57	64.2
Lebanon	Maximum	97	97	89	85	91	85	87	92	73	76	80	89	91	94	89	91	84	75	70	76	79	82	83	84	86	90	76	85	86	83	85	84.8
	Minimum	71	70	68	70	68	67	60	67	63	63	66	65	65	69	68	68	66	64	53	47	49	56	62	64	65	67	63	64	61	57	56	62.0
Lexington §§	Maximum	102	101	101	99	96	89	91	79	78	73	84	90	93	90	87	90	86	76	76	75	80	85	81	88	88	89	81	82	85	88	84	86.7
	Minimum	75	78	78	72	73	64	62	67	69	67	67	71	71	72	70	71	69	67	51	52	55	62	64	65	68	71	66	65	66	60	62	66.9
Marshall	Maximum	101	99	95	93	92	90	87	86	85	80	81	86	91	92	83	89	83	75	72	72	83	83	81	84	84	87	86	80	81	83	83	85.4
	Minimum	75	75	67	71	72	63	59	69	69	65	67	70	69	69	69	69	68	66	54	53	56	63	62	63	71	63	67	62	65	58	59	65.4
Mountain Grove	Maximum	96	99	93	87	95	91	90	92	71	75	80	88	92	93	90	89	85	78	75	74	78	82	84	84	86	88	75	80	83	84	87	85.3
	Minimum	70	71	70	70	69	67	65	68	65	62	67	69	67	69	69	68	68	64	55	48	50	57	60	63	64	65	65	63	60	61	60	64.2
Neosho	Maximum	96	95	94	94	91	86	91	90	80	77	84	89	92	95	94	86	83	80	80	80	84	83	86	88	90	88	86	81	90	82	88	87.2
	Minimum	69	73	69	73	69	69	67	66	65	65	58	65	66	68	70	70	68	70	55	53	52	54	60	62	69	68	66	62	59	59	56	64.4
Nevada	Maximum	102	97	98	97	93	92	96	95	72	70	82	90	94	95	92	88	84	78	78	77	82	82	81	87	89	91	79	86	88	80	88	87.2
	Minimum	72	75	72	73	73	68	65	69	67	65	67	68	68	70	69	71	69	66	55	49	52	61	65	65	68	69	65	64	64	62	58	65.9
Sedalia	Maximum	102	102	100	97	92	88	92	87	77	73	80	88	92	93	87	94	87	78	73	73	79	85	79	87	88	89	87	88	82	83	82	86.6
	Minimum	74	75	76	76	77	66	60	71	67	66	67	69	70	69	69	71	68	65	53	48	54	61	65	63	70	70	65	63	63	58	60	66.1
Springfield Airport	Maximum	97	96	93	88	91	87	92	91	72	71	80	89	89	91	87	89	81	74	73	72	78	81	85	85	86	89	76	82	86	83	84	84.5
	Minimum	72	70	72	71	69	70	66	68	66	64	68	68	67	70	70	70	70	61	54	49	50	58	62	64	65	67	65	63	60	60	58	64.7
Warrensburg	Maximum	103	103	99	96	95	89	92	89	75	70	81	89	92	94	88	88	85	82	77	75	80	81	80	88	89	91	82	81	84	82	83	86.7
	Minimum	74	75	74	72	71	64	60	68	68	66	67	69	68	69	69	68	67	67	54	51	55	63	62	65	70	68	65	65	67	59	61	65.8
Southeastern Division																																	
Arcadia §§	Maximum	99	99	94	89	96	93	90	96	75	79	83	89	90	94	90	94	93	84	79	76	80	84	82	85	90	88	74	81	89	87	89	87.5
	Minimum	66	66	64	69	69	69	62	67	67	67	66	68	70	66	69	65	68	70	59	51	46	48	53	57	60	61	68	64	61	64	54	63.0
Birch Tree (near)	Maximum	98	98	89	89	92	88	90	94	85	80	84	89	90	92	92	92	89	81	71	73	77	82	85	85	89	86	74	81	84	82	88	86.1
	Minimum	68	68	70	68	69	67	68	70	65	63	69	63	69	68	66	69	70	66	58	58	50	50	58	63	63	63	64	62	62	63	56	64.1
Caruthersville §§	Maximum	95	96	91	91	94	90	91	95	76	90	87	91	93	95	93	97	95	86	80	79	82	84	85	89	93	92	92	82	82	89	90	89.2
	Minimum	72	75	74	71	72	74	71	70	72	67	72	73	74	74	75	73	73	74	63	57	57	56	58	64	66	69	71	67	67	68	62	68.7
Crystal City	Maximum	97	98	94	89	97	88	91	88	80	78	85	92	90	93	91	91	95	82	82	75	79	85	81	85	92	92	82	85	88	84	85	87.5
	Minimum	74	71	64	69	67	68	61	67	72	67	70	73	69	68	69	66	71	69	57	51	47	50	60	60	62	62	68	65	63	64	58	64.6
Doniphan	Maximum	96	97	95	92	95	90	93	95	81	86	89	89	93	94	96	95	94	85	79	77	80	83	89	88	92	93	86	84	89	87	90	89.4
	Minimum	69	70	71	70	65	68	68	68	67	66	70	68	69	71	72	68	70	72	59	51	49	49	56	62	61	66	68	64	65	65	57	65.0
Farmington	Maximum	97	98	96	92	96	88	91	89	76	78	86	90	91	92	90	94	93	82	75	74	79	84	80	86	91	91	81	83	87	85	85	87.1
	Minimum	69	69	66	71	71	69	67	69	68	65	68	69	71	67	69	67	70	68	59	53	49	50	59	60	60	68	70	64	67	67	59	65.1
Jackson	Maximum	95	96	93	90	94	93	89	91	86	80	85	92	91	93	93	95	94	84	79	79	80	84	85	88	92	92	86	82	88	86	87	88.5
	Minimum	68	70	67	71	67	70	65	68	71	68	70	72	72	70	71	70	72	72	62	53	48	50	56	60	60	69	70	67	68	65	56	65.7
Poplar Bluff	Maximum	96	96	93	91	95	86	91	94	81	80	87	91	94	94	93	95	93	87	82	80	82	84	85	89	94	91	87	82	89	91	89	89.1
	Minimum	70	73	73	70	67	70	67	68	65	68	71	71	72	71	73	70	73	70	61	54	51	52	58	62	63	69	71	67	67	66	59	66.5
Rolla	Maximum	96	97	91	86	89	85	87	88	70	75	82	87	89	89	85	90	89	78	72	71	76	82	77	84	87	87	74	78	85	80	83	83.5
	Minimum	70	72	69	69	68	67	64	68	65	65	69	69	69	69	69	68	70	63	54	50	54	56	64	61	66	69	64	64	64	63	60	64.9
St. Louis	Maximum	99	99	97	88	94	86	90	89	79	77	82	92	90	91	90	95	97	78	73	74	81	84	81	86	91	92	84	85	90	85	81	87.1
	Minimum	77	78	74	75	74	72	67	74	72	69	69	75	76	74	74	75	69	68	61	58	59	62	63	59	69	73	70	70	69	70	67	69.7
Salem	Maximum	97	97	92	85	91	83	86	91	81	74	81	87	88	88	88	91	87	77	72	71	75	80	81	82	86	85	75	81	82	80	80	83.8
	Minimum	68	70	69	70	67	65	65	67	64	65	67	66	67	68	67	67	70	56	48	48	53	60	63	66	67	71	62	60	60	55	55	63.4
Sikeston §§	Maximum	98	96	97	95	99	90	91	95	77	81	91	94	92	98	98	99	97	85	79	79	84	87	89	93	96	96	90	88	93	91	93	91.3
	Minimum	70	72	72	71	68	71	68	69	70	69	69	73	72	71	71	70	73	70	60	52	54	52	57	60	64	58	69	65	66	65	58	66.1
Union	Maximum	102	104	99	91	97	88	93	92	78	89	87	87	93	94	91	96	94	78	77	76	81	85	79	87	92	90	81	84	88	86	85	88.6
	Minimum	69	71	70	69	69	67	60	66	68	66	70	68	69	68	69	65	69	69	57	51	48	51	60	55	65	62	69	65	61	61	60	64.1
West Plains	Maximum	97	93	89	89	92	89	91	93	70	78	83	91	92	93	91	91	88	83	76	74	78	83	86	86	90	90	78	81	86	85	88	86.3
	Minimum	69	69	71	70	69	69	69	65	66	64	69	66	68	68	69	67	70	60	57	51	48	50	57	61	62	63	65	63	63	60	55	63.6
Cairo, Ill.	Maximum	92	92	90	89	92	83	87	89	78	83	87	93	90	92	92	93	93	83	76	75	79	82	83	89	90	90	87	84	87	86	87	86.9
	Minimum	73	75	76	75	75	70	70	72	70	72	72	74	75	74	74	75	75	67	61	59	59	62	65	63	68	72	71	69	69	70	66	69.9

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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CLIMATOLOGICAL DATA

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W. J. MOXOM
ST. LOUIS, MO.

VOL. XLIV SEPTEMBER 1940 No. 9

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GENERAL SUMMARY

September, with average precipitation of 0.69 inch, was unusually dry. Only one September since the beginning of State records had a lower monthly average; this was in 1897 when the average was 0.67 inch. However the full effect of the dry weather was not felt until the latter part of month as the above normal rainfall during the preceding month had temporarily restored soil moisture deficiency. Other notably dry Septembers were 1888 with 1.01, 1891 with 0.72, and 1939 with 0.81 inch.

The dry weather of the month retarded preparation of soil and seeding of winter grains, but was favorable for maturing of all growing crops, hay making and silo filling. A portion of wheat, rye, and barley acreage was sown and had germinated by close of month, but the ground was too dry generally for good results.

The average temperature for month was only slightly below normal. There were warm periods from the 3d to 9th and 17th to 23d, while the 11th-12th, and 24th to 28th were cool periods. Frosts occurred abnormally early with mostly light deposits reported fairly general on the 11th and 12th, and more general on the 26th and 27th, with heavy to killing frosts reported locally at several stations. Frost damage was rather light as most field crops had reached maturity.

No damaging storms occurred.

TEMPERATURE

The monthly mean for the State, 86 stations reporting, was 68.8°, or 0.6° below normal. The highest monthly mean was 71.8° at St. Louis, and the lowest monthly mean was 66.0° at Arcadia and Goodland. The highest recorded was 100° at Sikeston on the 9th, and the lowest was 28° at Edgerton on the 26th and at Louisiana on the 26th and 27th. The greatest daily range was 50° at Union on the 28th.

PRECIPITATION

The average for the State, 146 stations reporting, was 0.69 inch, or 3.29 inches less than normal. The greatest local monthly amount was 4.07 inches at Neosho, and the least local monthly amount was none at Elsberry, St. Thomas (near), Stover and Owensville. The greatest amount in any twenty-four hours was 3.06 inches at Neosho on the 3d. The average number of days with 0.01 inch or more was 3.

MISCELLANEOUS PHENOMENA

Auroras.—26th, 27th.

Fog.—Dense, 1st, 4th, 5th, 7th, 24th, 25th, 26th.

Frosts.—Light, 10th, 11th, 12th, 13th, 25th, 26th, 27th, 28th; heavy, 8th, 12th, 26th, 27th, 28th; killing, locally on 11th, 12th, 26th, 27th.

Hail.—Light, on 8th at Jackson and Van Buren.

Halos.—Solar, 3d, 5th, 6th, 9th, 10th, 13th; lunar, 14th, 16th, 19th, 20th, 21st, 22d.

Thunderstorms.—Local, 1st, 2d, 3d, 4th, 5th, 8th, 9th, 22d, 23d, 24th.

Windstorms.—No damaging winds reported.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.10*	30.42*	26	29.71*	9	5.7	19	nw.	10	83*	48*	55*	78
Kan. C. Airport	30.07	30.42	26	29.75	9	8.0	28	nw.	9	84	48	51	73
St. Joseph	30.08*	30.43*	25	29.75	9	7.0	20	n.	9	92*	54*	66*	71
St. Louis	30.09*	30.42*	26	29.62*	9	8.2	24	nw.	9	67	38	40	81
Springfield	30.10	30.37	26	29.76	24	8.1	30	n.	23	86	51	64	72
Cairo, Ill.	30.07	30.35	26	29.65	9	5.8	28	n.	24	79	41	49	81
Keokuk, Iowa	30.09	30.41	30	29.71	9	5.4	19	sw.	13	80	42	47	83

* Data for Airport Station.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	65.2	97	28	1.01	1.13	0.87	1.02	0	4	..	..	..
1889	64.7	94	32	4.68	5.55	4.66	3.83	0	11	..	..	..
1890	63.7	98	30	4.36	3.25	5.49	4.34	0	9	..	..	..
1891	70.6	104	34	0.72	0.53	0.90	0.72	0	6	..	..	..
1892	67.8	97	32	2.46	2.73	2.71	1.93	0	4	19	6	5
1893	69.9	107	26	4.07	3.50	3.96	4.74	0	6	17	7	6
1894	68.5	101	34	4.94	4.16	6.42	4.23	0	8	13	11	6
1895	71.8	104	24	2.38	2.04	2.43	2.66	0	4	19	8	3
1896	65.0	101	28	4.09	4.67	3.92	3.69	0	10	11	10	9
1897	74.3	105	27	0.67	0.97	0.61	0.43	0	2	23	5	2
1898	70.9	103	37	6.70	6.76	7.25	6.10	0	9	15	9	6
1899	67.4	108	21	1.96	2.27	1.79	1.81	0	4	20	6	4
1900	71.1	100	29	4.59	4.77	5.56	3.44	0	10	13	10	7
1901	68.9	103	27	2.16	2.41	2.75	1.31	0	6	18	8	4
1902	63.2	95	30	4.63	4.74	5.36	3.79	0	10	15	6	9
1903	66.6	98	32	4.16	5.64	3.56	3.28	0	8	17	6	7
1904	69.6	96	34	3.77	4.72	2.78	3.82	0	7	16	8	6
1905	69.6	98	41	7.40	8.20	8.36	5.64	0	10	15	6	9
1906	71.9	98	36	4.53	3.54	3.75	6.31	0	11	15	8	7
1907	68.9	101	31	2.06	2.35	1.62	2.20	0	6	18	7	5
1908	71.6	99	28	2.15	1.49	2.69	2.27	0	4	18	8	4
1909	68.7	105	28	4.48	5.30	3.35	4.79	0	8	18	6	6
1910	69.5	97	34	5.45	5.90	6.44	4.01	0	10	14	6	10
1911	73.7	105	39	6.27	8.17	5.98	4.65	0	11	13	7	10
1912	68.6	105	27	3.11	2.72	2.87	3.74	0	6	17	5	8
1913	69.4	109	27	4.75	3.74	4.64	5.88	0	9	13	7	10
1914	69.6	99	35	6.06	7.19	6.01	4.98	0	9	15	8	7
1915	70.6	98	34	5.18	6.21	6.93	2.40	0	7	16	7	7
1916	67.8	101	27	2.97	2.73	3.18	2.99	0	6	19	7	4
1917	67.9	101	33	2.76	2.97	3.64	1.66	0	5	19	6	5
1918	62.3	96	29	4.83	4.11	5.44	4.95	0	7	17	6	7
1919	71.4	104	38	3.14	4.13	1.95	3.34	0	5	20	6	4
1920	70.0	100	31	4.60	4.37	5.78	3.64	0	9	17	7	6
1921	73.4	104	34	6.94	8.05	7.03	5.74	0	13	13	9	8
1922	71.7	107	31	3.10	3.95	3.62	1.74	0	5	21	5	4
1923	68.7	98	33	4.44	4.84	4.75	3.74	0	11	12	9	9
1924	61.0	96	29	3.79	3.41	4.55	3.40	0	8	14	8	8
1925	71.6	110	45	6.56	5.84	6.48	7.37	0	10	14	6	10
1926	69.3	97	27	8.64	11.74	9.12	5.06	0	13	12	7	11
1927	71.6	102	29	3.72	3.11	3.41	4.65	0	8	17	7	6
1928	65.0	95	28	2.50	5.36	1.62	0.53	0	5	20	7	3
1929	67.4	98	33	3.16	3.16	2.83	3.48	0	8	13	10	7
1930	71.3	105	37	4.28	2.86	5.48	4.49	0	8	16	7	7
1931	75.0	104	36	3.91	5.97	3.18	2.58	0	7	19	7	4
1932	67.8	99	33	2.56	2.08	2.04	3.57	0	6	17	8	5
1933	74.6	102	36	4.69	3.00	4.92	6.16	0	9	16	8	6
1934	65.6	95	32	7.39	7.49	7.79	6.89	0	12	12	8	10
1935	68.1	98	33	3.51	4.30	3.13	3.10	0	6	20	4	6
1936	73.6	109	37	8.62	8.76	9.98	7.12	0	11	11	9	10
1937	69.4	103	29	2.41	1.12	2.53	3.57	0	5	18	7	5
1938	71.6	103	30	1.85	1.51	2.40	1.65	0	6	18	7	5
1939	75.5	108	30	0.81	0.42	0.74	1.27	0	2	23	5	2
1940	68.8	100	28	0.69	0.35	1.11	0.62	0	3	19	6	5
....	....	..	..	....	....	....	....	....	..	..	..	..
Period	**69.4**	**110**	**21**	**3.98**	**4.16**	**4.16**	**3.61**	**0**	**7**	**17**	**7**	**6**

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Climatological Data for September 1940

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	45	68.4	+ 1.3	98	8	32	26	44	47	0.29	−4.27	0.15	0	3	22	3	5	se.	A. S. Cumming
Brunswick	Chariton	652	59	69.2	+ 2.2	96	20†	36	26†	42	61	0.17	−4.64	0.12	0	2	21	4	5	w.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	2	66.8	......	93	18†	34	26	38	10	0.15	−3.59	0.15	0	1	21	7	2	se.	Lockmaster
Chillicothe	Livingston	779	31	70.1	+ 2.6	99	8†	32	26	40	34	0.22	−4.56	0.12	0	3	23	3	4	e.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	41	68.7	+ 0.1	94	8†	32	26	44	31	0.22	−4.32	0.08	0	3	22	5	3	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	50	69.2	− 0.2	95	20	39	11	38	50	0.32	−4.03	0.30	0	4	17	8	5	e.	U. S. Weather Bureau
Conception	Nodaway	980	51	69.2	+ 2.0	94	21	37	26	34	56	0.23	−4.41	0.20	0	3	16	12	2	s.	Fr. Adelhelm Hess
Edgerton	Platte	856	20	68.4	+ 0.5	95	8†	28	26	43	29	0.51	−4.08	0.30	0	5	17	0	13	e.	Fred L. Stiff
Elsberry	Lincoln	449	9	66.5	− 2.8	95	8†	30	26†	43	9	0.00	−3.00	0.00	0	0	23	5	2	n.	Ray E. Mills
Fayette	Howard	760	60	68.2	+ 0.1	93	20†	36	26†	39	57	0.12	−4.84	0.12	0	1	22	5	3	s.	Irvin E. Schnell
Fulton	Callaway	818	52	67.8	− 1.1	96	8†	30	27	47	48	0.25	−4.24	0.20	0	3	21	6	3	nw.	Clyde C. Herring
Grant City	Worth	1,134	36	68.0	+ 1.0	94	8	34	26	40	48	0.76	−3.93	0.48	0	3	21	5	4	nw.	Howard Rybolt
Hannibal	Marion	759	48	68.4	+ 0.7	95	20	38	26	36	56	0.21	−3.76	0.18	0	2	15	7	8	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	51	70.0	+ 1.1	94	8	37	26	35	51	1.30	−3.26	0.82	0	4	10	12	8	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	2	68.5	......	94	8	32	26	40	2	1.81	......	1.10	0	5	15	11	4	s.	University of Kansas City
Kidder	Caldwell	1,020	48	68.9	+ 1.6	96	8	37	26	36	52	0.09	−5.11	0.09	0	1	18	8	4	s.	Mrs. Geraldine Terry
Kirksville	Adair	969	51	68.9	+ 2.6	95	21	37	26	39	58	1.07	−4.11	0.50	0	3	22	6	2	nw.	Howard Coons
Lawson	Ray	1,070	2	68.8	......	93	8	36	26	33	2	0.03	......	0.03	0	1	15	12	3	se.	Elmer E. Lamb
Louisiana	Pike	469	46	67.5	− 0.5	95	8†	28	26†	47	59	0.25	−4.18	0.25	0	1	23	4	3	w.	Stark Bro's Nurseries
Macon	Macon	875	41	68.3	+ 0.4	95	8†	34	26	40	47	0.30	−4.14	0.22	0	3	21	4	5	sw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	50	68.3	+ 2.7	94	18	38	11	36	46	0.57	−4.11	0.30	0	5	18	8	4	se.	R. B. Montgomery
Memphis	Scotland	787	1	67.2	......	95	21	33	26	39	10	0.20	−3.98	0.20	0	1	18	9	3	sw.	John W. Alexander
Mexico	Audrain	800	51	69.2	+ 0.7	98	8†	33	26	40	62	0.18	−4.79	0.18	0	2	21	4	5	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	3	69.1	......	96	8†	35	26	39	3	0.73	......	0.73	0	2	23	5	2	s.	Beverly Coomes
Oregon	Holt	1,018	84	70.1	+ 3.0	94	8	38	11	36	84	0.69	−4.41	0.27	0	4	24	4	2	sw.	Miss Mina Wright
St. Charles	St. Charles	520	52	69.8	+ 1.5	96	8†	37	26†	40	62	0.12	−3.72	0.12	0	1	25	5	0	s.	Martin L. Comann
St. Joseph	Buchanan	957	30	69.6	+ 1.2	93	21	37	26	33	68	0.78	−3.14	0.52	0	7	16	10	4	s.	U. S. Weather Bureau
Steffenville	Lewis	650	42	68.4	− 0.6	96	20†	30	26	41	47	0.05	−4.45	0.05	0	1	19	6	5	e.	Frank Hall
Tarkio	Atchison	916	37	67.6	+ 1.3	92	18†	36	26	37	46	0.69	−3.55	0.38	0	6	12	13	5	se.	Albert Volker
Trenton	Grundy	822	44	69.5	+ 2.3	98	8	34	26†	42	45	0.78	−3.97	0.44	0	5	23	4	8	s.	W. H. Estes
Unionville	Putnam	1,062	47	68.5	+ 1.4	96	21	36	25	42	47	0.23	−4.86	0.17	0	2	26	1	3	se.	John H. Schick
Warrenton	Warren	816	58	67.9	− 1.1	90	8†	33	26	35	50	0.19	−4.17	0.12	0	2	10	17	3	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	68	68.0	+ 0.5	93	21	41	26	31	68	0.04	−3.80	0.04	0	1	20	4	6	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**68.6**	**+ 0.9**	**99**	**8†**	**28**	**26†**	**47**	..	**0.35**	**−3.81**	**1.10**	**0**	**3**	**19**	**7**	**4**	**sw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	36	69.2	− 1.8	92	8†	33	26	45	41	3.17	−0.71	1.83	0	6	20	4	6	sw.	E. S. Taylor
Appleton City	St. Clair	813	45	68.4	− 2.0	95	21	34	26†	42	48	1.20	−3.18	0.45	0	7	16	1	13	sw.	Rolla Brown
Bolivar	Polk	1,071	37	68.8	− 1.1	91	9	36	26†	36	45	1.98	−2.23	1.63	0	5	19	2	9	sw.	Southwest Baptist College
Boonville	Cooper	650	2	68.6	......	93	20†	37	26	35	63	0.44	−4.75	0.18	0	5	21	5	4	se.	Boonville Water Dept.
Carthage	Jasper	962	6	69.5	......	93	9	33	26	39	16	1.56	......	0.83	0	5	19	4	7	sw.	Carthage W. and E. Plant
Clinton	Henry	786	47	69.0	− 1.8	94	21	36	26	39	53	0.76	−3.76	0.39	0	6	5	13	12	se.	U. S. Weather Bureau
Eldon	Miller	934	45	67.2[d]	− 2.2	95	21	34	27†	44	41	0.42	−4.20	0.38	0	4	16[d]	6[d]	4[d]	s.	E. H. Shepherd
Harrisonville	Cass	904	62	69.4	+ 0.9	93	8	39	11†	34	65	0.53	−4.37	0.30	0	5	16	3	11	sw.	John H. Patterson
Jefferson City	Cole	557	50	68.0	− 1.3	97	8	34	26	46	58	0.05	−4.18	0.04	0	2	26	3	1	e.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	18	70.3	− 1.8	92	9	41	26	30	35	2.80	−1.12	1.72	0	7	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	9	68.7	......	96	8	33	27	43	9	0.11	......	0.06	0	3	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	52	68.8	− 2.0	95	8†	32	26	45	59	1.17	−3.38	0.67	0	3	19	3	8	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	52	68.0	− 1.4	92	20	33	27	40	53	0.40	−4.09	0.19	0	5	15	10	5	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	55	70.4	+ 1.6	94	8	38	26	36	56	0.12	−4.65	0.05	0	4	21	6	3	s.	Miss Carrie Loomis
Lockwood	Dade	1,078	34	68.8	− 2.1	92	9	33	26	39	44	0.66	−4.12	0.55	0	4	18	8	4	se.	Hubert A. Nieman
Marshall	Saline	779	53	69.0	+ 0.2	92	8†	36	26	34	50	0.34	−5.16	0.27	0	3	23	5	2	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	39	69.3	+ 0.4	93	20	34	26	37	43	1.22	−2.84	0.51	0	3	14	13	3	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	28	69.9	− 0.6	96	19	33	26	43	40	1.30	−2.54	0.95	0	3	9	13	8	se.	G. H. Boswell
Neosho	Newton	1,011	53	68.9	− 1.6	91	7†	33	26†	40	57	4.07	−0.22	3.06	0	8	18	5	7	sw.	U. S. Fisheries Station
Nevada	Vernon	862	47	69.7	+ 0.2	93	7†	32	26	39	48	1.18	−3.13	0.78	0	6	19	2	9	sw.	Henry Kraft
Ozark Beach	Taney	700	0	69.4	......	95	8†	37	26	45	15	1.22	−1.97	0.85	0	3	20	3	7	......	V. Smith
Sedalia	Pettis	910	27	69.4	+ 0.2	94	8	34	26	34	29	0.70	−4.20	0.27	0	6	19	3	8	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,512	39	67.1[b]	− 2.5	86	8†	35	26	32	37	3.50	−0.18	1.48	0	4	17[a]	5[a]	7[a]	sw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	31	66.8	− 2.0	89	9	32	27	38	34	1.28	−2.74	1.04	0	3	19	4	7	s.	A. L. Hailey
Springfield	Greene	1,301	52	67.8	− 1.1	90	9	36	12	36	52	2.42	−1.10	1.95	0	4	16	4	10	se.	U. S. Weather Bureau
Versailles	Morgan	1,037	13	68.4[b]	− 2.3	92	8†	37	26†	37	16	0.07	−4.49	0.07	0	1	16[b]	12[b]	0[b]	w	Robert Otten
Warrensburg	Johnson	878	53	69.8	− 0.4	92	8†	37	26	34	60	0.44	−4.34	0.25	0	6	19	4	7	se.	E. A. Markey
Warsaw	Benton	687	39	69.4	− 1.1	98	21	33	26	44	45	0.14	−4.89	0.08	0	3	18	7	5	s.	Everett Martin
Division means	**and extremes**	.....	..	**68.9**	**− 1.1**	**98**	**21**	**32**	**26†**	**46**	..	**1.11**	**−3.05**	**3.06**	**0**	**4**	**18**	**6**	**6**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	3	67.9	......	99	22	32	27	47	3	0.42	......	0.42	0	1	14	7	9	ne.	U. S. Weather Bureau
Arcadia	Iron	926	59	66.0	− 1.6	96	9	31	27	45	62	0.74	−3.24	0.42	0	3	26	1	3	......	Arcadia College
Birch Tree(near)	Shannon	1,000	45	68.4	− 1.4	93	8†	35	26†	40	46	0.53	−3.15	0.48	0	2	25	3	2	......	V. H. Kirkendall
Campbell	Dunklin	314	14	71.0	− 0.6	96	9	43	26†	35	14	1.00	−2.87	0.95	0	3	17	12	1	ne.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	44	71.0	− 3.5	97	9	42	12†	38	48	0.72	−2.49	0.60	0	2	24	1	5	e.	Victor T. Malloure
Crystal City	Jefferson	420	6	66.6	......	97	9	30	27	45	6	0.47	......	0.47	0	1	17	7	6	se.	Frank Magre
Doniphan	Ripley	344	36	68.3	− 2.9	96	9†	33	27	43	36	1.41	−2.20	1.41	0	1	24	4	2	se.	Boyce Lackey
Farmington	St. Francois	896	29	70.0	+ 0.4	96	20	34	27	41	43	0.55	−3.25	0.38	0	2	19	5	6	ne.	F. M. Karsch
Goodland	Iron	1,000	47	66.0	− 1.8	94	9†	30	27	45	47	0.71	−3.15	0.49	0	3	26	2	2	s.	F. M. Adams
Greenville	Wayne	381	31	68.1	− 2.7	97	22	32	27	44	33	1.60	−1.72	1.13	0	3	17	9	4	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	49	69.4	− 0.7	96	21	35	27	41	50	1.32	−2.70	0.58	0	3	22	4	4	n.	L. R. Crites
Koshkonong	Oregon	958	39	69.5	− 1.9	92	9†	40	26†	35	40	0.52	−3.12	0.35	0	4	14	9	7	e.	R. M. Hitt
Licking(near)	Texas	1,170	3	66.5	......	92	21	29	26†	46	3	0.35	......	0.23	0	2	21	5	4	s.	U. S. Forestry Service
Marble Hill	Bollinger	470	45	69.5	− 1.2	99	8†	33	27	45	47	0.69	−3.19	0.69	0	1	22	4	4	n.	R. A. DeWitt
Poplar Bluff	Butler	339	35	69.8	− 1.9	97	9	38	27	44	36	0.57	−3.32	0.57	0	2	22	6	2	s.	Mrs. J. H. Wolpers
Rolla	Phelps	1,202	40	68.8	+ 0.1	92	9†	37	26	33	56	0.17	−3.97	0.13	0	3	13	12	5	e.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	103	71.8	+ 1.3	95	20	44	26	29	103	0.03	−3.43	0.03	0	1	20	6	4	ne.	**Section Center**
St. Louis Airport	St. Louis	556	3	68.7	......	96	9†	35	26	41	9	T.	......	T.	0	0	19	5	6	e.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	28	71.3	+ 0.4	96	9	43	26	30	28	0.18	−3.58	0.12	0	2	25	2	3	sw.	St. Louis University
Salem	Dent	1,173	36	66.1	− 3.1	93	9	31	26†	47	39	0.58	−3.30	0.30	0	4	27	2	1	s.	E. E. Martin
Sikeston	Scott	318	33	71.3	+ 0.2	100	9	37	11†	42	43	1.68	−2.20	1.54	0	2	20	8	2	ne.	Mrs. Hazel P. Young
Union	Franklin	520	2	68.4	......	99	8†	30	27	50	23	0.30	−3.89	0.30	0	1	22	4	4	ne.	Robert Mueller
Wappapello Dam	Butler	475	1	69.4	......	97	9	36	27	40	1	0.50	......	0.50	0	2	23	2	5	s.	J. E. Harns
West Plains	Howell	1,005	3	66.6	......	93	9	32	27	43	3	1.02	......	0.68	0	5	13	9	8	n.	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	68	70.9	− 0.6	94	22	45	27	31	69	1.75	−1.14	1.71	0	2	16	7	7	ne.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**68.9**	**− 1.2**	**100**	**9**	**29**	**26†**	**50**	..	**0.62**	**−2.99**	**1.54**	**0**	**2**	**20**	**6**	**4**	**ne.**	
State means	**and extremes**	.....	..	**68.8**	**− 0.6**	**100**	**9**	**28**	**26†**	**50**	..	**0.69**	**−~~2~~3.29**	**3.06**	**0**	**3**	**19**	**6**	**5**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for September 1940

Stations	Drainage basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Northern Division																																	
Amity[3]	Grand					.02	T.		T.		.01				T.	T.						T.		.37	.10								0.50
Bethany	...do																						.15	.12	.02								0.29
Bowling Green[2]	Mississippi																							.06									0.06
Brunswick[2]	Grand						T.				.05				T.									.12	T.								0.17
Canton, Lock No. 20[2]	Mississippi									T.														T.	.15	T.							0.15
Centralia[2]	...do.																							.17	.16								0.33
Chillicothe[2] (A)	Grand										.03					T.								.12	.07								0.22
Clifton Hill	Chariton																						.08	.07	.07								0.22
Columbia[1†]	Missouri						.01									T	.01						T.	.22	.08								0.32
Conception	...do				T.	.03																	.12	.08	T.								0.23
Edgerton	Missouri		.30	.02	.04	.12											T.						T	.03									0.51
Edina[2]	Mississippi																							.26	T.								0.26
Elsberry	...do																																0.00
Farber[2]	...do				T.		T.			T.							T.								.06								0.06
Fayette	Missouri																T.						T.	.12	T.								0.12
Fulton[2]	...do																							.16	.04	.05							0.25
Gallatin[2]	Grand																								.44								0.44
Gorin	Mississippi									T.														.12	T.								0.12
Grant City	Grand									T.					T.	T.							.48	.07	.21								0.76
Hannibal[3] (A)	Mississippi									.03														.18									0.21
Hermann[2]	Missouri																T.							.08	.02								0.10
Kahoka[2]	Mississippi							T.																	.06								0.06
Kansas City Airport[1†]	Missouri		.82	T.	.02	.38	T.			T.						T.	T.						.08	T.	T.								1.30
Kansas City University	...do		1.10		.23	.38					T.						.02						T	.08									1.81
Kidder[2]	Grand																							.09									0.09
King City	Missouri					T.				T.	.05						03						.02	.10	.23								0.43
Kirksville	Mississippi						.10																	.47	.50								1.07
La Belle[2]	...do																							.38	.05								0.43
Lawson	Missouri		T.			.03	T.			T.							T.						T.	T.	T.								0.03
Linneus[2]	Grand										.02					.02								.16	.13								0.33
Louisiana (A)	Mississippi																							.25									0.25
Lucerne[2]	Grand										.02													.06	.18								0.26
Macon[2]	Chariton						.05																	.22	.03								0.30
Madison[2]	Mississippi																							.26									0.26
Maryville	Missouri					.20			.01	T.													.15	.15	.06								0.57
Memphis[2]	Mississippi			T.							T.														.20								0.20
Mexico[2]	...do																							.03	.15								0.18
Milan[2]	Grand																							.06	.48								0.54
Moberly	Mississippi										T.						T.						*	.73									0.73
Monroe City	...do							T.									T.						.14	.60	.03								0.77
Oregon	Missouri		.17			.27	.19																	.06									0.69
Palmyra[2]	Mississippi																							T.	.44								0.44
Paris[2]	...do																T.							.21	.09								0.30
Perry[2]	...do																							.25	.05								0.30
Philadelphia[2]	...do																		T.														T.
St. Charles[2]	Missouri																									.12							0.12
St. Joseph[1†]	...do	.06	.04		T.	.52	.01			.01							.02		T.				.05	.07	T.								0.78
Saverton, Lock No. 22[2]	Mississippi										T.													T.	.02								0.02
Shelbina	...do																							.37									0.37
Shelbyville[2]	...do																								.07								0.07
Steffenville	...do																							.05									0.05
Tarkio	Missouri					.29	.09		.05							.05							.12	.09									0.69
Trenton	Grand					.44										.04							.15	.03	.12								0.78
Troy[2]	Mississippi																							.09									0.09
Unionville[2]	Chariton						.06																	T.	.17								0.23
Warrenton	Mississippi								T.								.07							.12	T.								0.19
Keokuk, Iowa[1†]	...do						T.			T.														T.	.04								0.04
Southwestern Division																																	
Altona[2]	Osage		.33	.55		*	.22										T.	.08					T.	.03	.15								1.36
Anderson (near)	Neosho		.38	1.45	.03	T.									T.							T.	T.	.55	.58	.18							3.17
Appleton City	Osage		.45	.17	.14	.06										.01								.04	.33								1.20
Bolivar	...do		1.63								.05				T.	.23	.01						T.	.06		T.							1.98
Boonville[2] (A)	Missouri					.18		.03									.03							.04	.16								0.44
Buffalo[2]	Osage		.88													.21								.04									1.13
Caplinger Mills	...do		.46		T.	T.					T.				.07	.19								T.	T.	T.							0.72
Carthage	Neosho			.83	T.						.02													.17	.36	.18							1.56
Clinton[4]	Osage		.39	.07	T.					.05						T.	.05							.04	.16								0.76
Concordia[2]	Missouri																	.10						.17	.23								0.50
Eldon[2]	...do										.01						.02	.01								.38							0.42
Galena[2]	White				.48																			.12	.23	.40							1.23
Hailey	...do			.52																				.40	1.60								2.52
Harrisonville[2]	Osage		.30			.13	.06				.02													.02									0.53
Jefferson City[2]	Missouri																	.04								.01							0.05
Joplin[3]	Neosho		.07	1.72	.06						.03				T.									.48	.42	.02							2.80
Lakeside[2]	Osage										T					T.	.06	T.						.04	.01								0.11
Lamar[2]	Neosho			.25	.42											T.										.50							1.17
Lebanon	Osage		.02								T.				T.	.12	.02							.05	.19								0.40
Lexington[2]	Missouri			02		.03											.05							.02		T.							0.12
Lockwood	Osage			.08	T.	T.					T.					.03							T.	T.	.45	.10							0.66
Marshall	Missouri						.02										.05						T.	.27	T.								0.34
Mountain Grove	White		.51																						.39	.32							1.22
Mount Vernon	Neosho		T.	T.																			T.	.35	.70	.25							1.30
Neosho	...do			3.06	.24	.01					.02					.02							T.	.34	.15	.23							4.07
Nevada	Osage		.10	.68	T.	.06									T.	.23	.04						T.	T.	.07								1.18
Osceola[2]	...do		.80	.05		.10										.15	T.																1.10
Ozark Beach[2]	White				.08																			.29	.85								1.22
Pleasant Hill[2]	Osage		.92			*	.18	.13															T.	.05		.18							1.46
St. Thomas (near)[2]	...do.																																0.00
Sedalia	Missouri				.20		T.									.05	.22						.01	.06	.16								0.70
Seligman	Neosho		.14	1.34							T.													.58		1.44							3.50
Seymour (near)	White		1.04																					T.	.11	.13							1.28
Springfield[1†]	...do		.38	T.	T.	T.					T.				T.	T.						T.	T	.09	1.90	.05							2.42
Stover[2]	Missouri																																0.00
Versailles	Osage										T.						.07						T.										0.07
Warrensburg	Missouri		.05	.05		.01	T.									.04	.04						T.	T.	.25								0.44
Warsaw (A)	Osage		.08	.03													.03																0.14
Waverly[2]	Missouri																.02							.10	T.								0.12

Continued on next page

Daily Precipitation for September 1940—Continued from preceding page

Stations	Drainage-basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Southeastern Division																																	
Advance[4]	St. Francis										T.					T.								T.	.42								0.42
Alton (near)	Black																								.71								0.71
Annapolis	St. Francis															.08									.56								0.64
Arcadia[2]	....do															.09								T.	.42	.23							0.74
Belleview	Meramec																						.32	.48									0.80
Birch Tree(near)	Black																								.48	.05							0.53
Bragg City[2]	St. Francis																								*	.60							0.60
Campbell	....do										.01														.95	.04							1.00
Cape Girardeau[2]	Mississippi									.05						T.									.10	.48							0.63
Caruthersville[2]	....do																								.12	.60							0.72
Centerville[2]	Black															.08								T.	.11	.30							0.49
Crystal City	Mississippi																								.47	T.							0.47
Cuba[2]	Meramec																							.15									0.15
Dexter[2]	St. Francis									T.	T.														.01	.83							0.84
Doniphan	Black																								1.41								1.41
Farmington	St. Francis								T.								T							.17	.38								0.55
Fisk[2]	....do										T.														T.	.41							0.41
Fredericktown[2]	....do																							T.	.25	.10							0.35
Goodland	Black															.15								.07	.49								0.71
Greenville	St. Francis								.43	.04															1.13								1.60
Jackson	Mississippi								.52																.58	.22							1.32
Jerome[2]	Gasconade															T.	T.																T.
Koshkonong	Black		.12																					.03	.35	.02							0.52
Leeper[2]	....do																								T.	.33							0.33
Licking (near)	Gasconade															.12								T.	.23								0.35
Marble Hill	Mississippi																								.69								0.69
Meramec Park[2]	Meramec									.62								.02						.33	T.								0.97
Morehouse	Mississippi																								1.33	.04							1.37
New Madrid[2]	....do										.09														.06	.56							0.71
Owensville[2]	Gasconade																																0.00
Pacific[2]	Meramec																								T.								T.
Parma[2]	St. Francis										.06														.10	.45							0.61
Poplar Bluff[2] ....(A)	Black																	T.							.30	.27							0.57
Richwoods[2]	Meramec																								.19								0.19
Rolla[4]	....do										T.					T.	.03						T.	.13	.01	T.							0.17
St. Louis:																																	
City Office[1]‡	Mississippi								T.	T.														T.	.03								0.03
Airport[4]‡	Missouri									T.							T.							T.	T.					T.			T.
St. Louis Univ.....[3]‡	Mississippi								.12															T.	.06								0.18
Washington Univ.[2]‡	....do																									.09							0.09
Salem[2]	Meramec															.15								.06	.07	.30							0.58
Sikeston[2]	Mississippi																								.14	1.51							1.68
Union	Meramec																							.30									0.30
Valley Park[2]	....do										T.						T.							T.	T	.17							0.17
Van Buren	Black								.17															T.	.39								0.56
Wappapello Dam[2]	St. Francis											T.													.30	.20							0.50
West Plains[4]	Black		.25								.04													.03	.68	.02							1.02
Williamsville[2]	....do									.10															.73	.50							1.33
Willow Sprgs (near)[2]	White			.21																				.07		.33							0.61
Zalma(near)[2]	Mississippi	.03													T.										.13	.47							0.63
Cairo, Ill.[1]‡	....do								.04	T.	T.					T.		T.						T.	1.71								1.75

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking (near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Springfield City Office, Steffenville, Tarkio, Versailles, Wappapello Dam, Warsaw, and Washington University(St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for September 1940

(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	.163	.179	.151	.153	.131	.163	.167	.175	.217	.361	.229	.199	.154	.175	.161	.048	.073	.189	.219	.194	.151	.145	.047	.051	.171	.196	.140	.138	.140	.145	....	4.825
	Mean temperature	69	72	76	74	76	78	77	80	79	61	51	58	61	68	70	71	74	75	74	76	77	72	72	73	58	52	54	58	61	62	..	68.7
	Wind movement	18	15	15	14	10	12	10	8	17	106	68	44	18	34	21	20	13	26	26	20	9	7	10	6	76	42	23	19	15	14	..	736
St. Louis (Washington University)	Evaporation	.177	.170	.153	.165	.205	.177	.170	.171	.202	.333	.218	.174	.173	.231	.196	.182	.101	.205	.188	.193	.171	.173	.144	.055	.131	.174	.117	.117	.128	.142	....	5.136
	Mean temperature	68	71	74	75	75	77	78	82	83	60	56	58	62	71	68	68	74	76	78	80	80	80	76	72	54	52	55	60	62	64	..	69.6
	Wind movement	20	17	13	12	14	14	13	12	24	87	60	39	24	37	29	22	13	19	19	17	12	16	26	11	98	57	17	15	10	19	..	786

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports respectively. * Included in next measurement.

ERRATA

August 1940, page 39: Mean temperature at Ozark Beach should be 76.6°, date of minimum temperature should be 20, greatest daily range should be 34, greatest precipitation in 24 hours should be 1.73; greatest precipitation in 24 hours at Carthage should be 1.59; date of minimum temperature at Advance should be 21, greatest precipitation in 24 hours should be 1.86; page 40; precipitation on 29th at Ozark Beach should be none, on 30th .89; page 42, minimum temperature at Springfield Airport on 27th should be 63, maximum temperature at Rolla on 27th should be 75.

Daily Temperatures for September 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	83	85	86	87	88	87	93	95	88	64	67	77	84	81	82	74	90	92	93	96	96	88	81	76	64	68	73	79	83	82	..	82.7
	Minimum	55	56	60	64	66	66	66	66	72	51	43	42	43	49	57	57	60	60	61	63	63	61	68	67	46	36	86	40	41	47	..	55.6
Chillicothe §§	Maximum	83	89	91	92	91	91	97	99	86	65	70	76	86	78	83	81	94	96	94	96	98	91	82	74	66	70	75	81	83	81	..	84.7
	Minimum	51	57	61	61	68	69	64	71	74	47	38	39	46	47	49	57	59	66	63	61	63	67	67	61	41	32	41	47	47	41	..	55.5
Columbia	Maximum	80	81	87	87	86	86	92	94	90	64	66	74	84	81	80	74	89	91	92	95	94	92	76	77	63	67	72	78	80	79	..	81.8
	Minimum	56	59	65	67	65	69	61	70	63	48	39	41	46	56	58	62	61	66	66	64	65	65	68	56	44	39	41	45	45	46	..	56.6
Fayette	Maximum	80	82	86	83	85	85	90	92	88	70	66	74	82	80	80	74	88	91	91	93	93	89	78	75	63	68	71	78	81	79	..	81.2
	Minimum	53	55	61	64	62	68	62	72	70	48	40	39	44	57	55	61	59	62	62	60	62	67	66	63	43	36	36	39	44	47	..	55.2
Grant City	Maximum	81	86	87	86	85	86	92	94	80	61	68	77	86	75	83	82	90	93	89	92	95	85	79	72	62	69	73	79	80	81	..	81.7
	Minimum	51	57	57	58	65	67	65	70	63	42	36	37	52	52	56	56	60	62	63	62	60	61	65	58	39	34	37	44	45	50	..	54.2
Hannibal	Maximum	78	84	85	86	88	87	92	92	90	63	67	74	84	74	76	76	89	93	94	95	92	88	75	71	60	66	71	77	77	77	..	80.8
	Minimum	56	57	59	61	63	65	65	74	60	46	40	41	48	56	54	56	56	62	68	68	67	66	67	53	43	38	40	47	49	51	..	56.0
Kansas City Airport.	Maximum	83	79	88	83	75	85	91	94	84	61	66	77	82	84	79	80	89	90	88	92	93	81	83	72	62	69	73	79	80	80	..	80.8
	Minimum	59	64	69	69	67	68	67	71	62	48	41	47	58	59	59	65	68	72	71	66	65	69	68	56	45	37	38	48	48	48	..	59.3
Kirksville	Maximum	80	85	88	90	88	85	92	94	90	70	74	75	84	79	79	88	91	93	92	94	95	90	81	74	63	67	72	78	80	78	..	83.0
	Minimum	53	55	57	61	63	63	63	73	67	46	39	43	49	51	54	54	55	63	61	60	65	65	65	61	40	37	38	39	50	47	..	51.8
Lawson	Maximum	81	84	87	83	74	86	90	93	84	65	65	75	82	83	82	77	88	89	88	90	92	85	81	71	62	68	72	78	82	79	..	80.5
	Minimum	53	62	64	65	68	67	67	72	65	47	38	42	52	54	56	62	61	67	64	61	67	69	67	62	41	36	40	46	51	46	..	57.2
Louisiana	Maximum	90	85	85	87	83	87	93	95	90	70	65	75	81	83	80	80	92	93	95	95	95	90	85	70	70	66	75	75	80	80	..	83.1
	Minimum	58	60	58	57	60	63	60	63	65	50	40	35	40	50	52	52	62	60	60	62	60	65	58	63	41	28	28	32	35	38	..	51.9
Macon §§	Maximum	82	88	88	90	88	87	93	95	87	60	68	75	83	78	81	80	90	91	92	94	95	89	80	75	63	67	72	79	79	78	..	82.2
	Minimum	52	53	58	61	61	65	62	69	66	47	39	41	45	55	55	56	58	63	64	65	66	67	66	54	40	34	39	39	44	47	..	51.1
Maryville	Maximum	79	83	85	82	77	81	91	92	85	64	66	76	85	75	79	79	88	94	90	92	93	84	79	72	61	67	73	79	77	77	..	80.2
	Minimum	55	59	62	66	65	65	65	71	61	46	38	40	51	57	57	58	62	70	61	60	63	67	65	61	39	39	39	41	50	52	..	56.4
Mexico §§	Maximum	82	85	88	91	87	89	93	98	91	68	68	75	85	79	80	82	91	95	95	97	98	91	78	77	63	67	74	80	81	79	..	83.6
	Minimum	53	54	59	64	61	67	63	69	69	58	39	40	45	55	51	58	58	63	63	64	63	61	67	66	43	33	31	40	41	43	..	54.9
Moberly	Maximum	82	85	86	87	87	89	91	96	92	76	70	74	83	82	81	79	89	91	93	95	96	94	78	76	65	66	72	79	82	79	..	83.2
	Minimum	55	64	65	64	61	64	65	71	63	49	37	38	41	57	55	56	58	62	60	61	63	65	63	62	43	35	38	40	46	47	..	55.0
Oregon	Maximum	85	86	89	85	76	87	92	94	85	69	67	78	85	83	83	81	90	91	90	93	93	83	81	74	63	70	74	80	83	81	..	82.4
	Minimum	57	62	61	65	65	65	68	72	67	47	38	42	57	58	58	60	64	70	65	67	65	67	65	62	39	39	41	49	51	49	..	57.8
St. Charles §§	Maximum	81	81	90	89	89	89	91	96	91	66	69	77	81	78	80	76	89	95	96	96	95	91	78	79	61	68	74	80	78	77	..	83.3
	Minimum	58	58	60	67	60	63	61	67	67	53	42	41	47	58	56	59	60	63	61	62	63	66	71	70	47	37	37	40	44	46	..	56.3
St. Joseph	Maximum	83	81	87	83	74	85	91	93	82	64	66	75	82	83	81	79	89	90	88	90	93	80	82	70	63	67	72	78	81	80	..	80.5
	Minimum	56	65	67	67	66	68	70	74	59	48	42	46	58	60	58	62	65	72	69	68	67	67	67	53	43	37	41	50	48	49	..	58.7
Trenton	Maximum	84	87	91	89	87	88	95	98	89	68	71	79	85	79	83	82	91	91	92	94	97	92	87	82	61	71	75	80	80	81	..	81.5
	Minimum	53	54	58	63	64	67	63	72	72	46	39	37	48	51	55	55	58	65	62	60	60	66	63	63	39	34	34	39	45	47	..	51.5
Unionville §§	Maximum	83	85	89	91	88	89	93	95	87	66	73	78	86	76	79	82	90	95	93	95	96	90	80	73	66	70	74	80	83	80	..	83.5
	Minimum	51	55	58	62	62	64	64	66	64	42	37	39	44	50	52	53	55	60	64	62	64	64	65	63	36	37	38	41	45	48	..	53.5
Warrenton	Maximum	80	85	84	87	86	83	89	90	88	81	65	70	79	79	77	80	87	88	88	90	90	90	82	75	75	64	64	72	74	77	..	80.6
	Minimum	55	55	57	61	59	62	63	69	69	49	40	40	44	56	53	57	56	61	62	65	67	70	67	66	41	33	38	43	48	47	..	55.2
Keokuk, Iowa	Maximum	78	81	84	88	87	80	91	89	79	61	65	73	82	74	76	79	87	92	92	93	93	88	71	72	61	66	70	76	80	75	..	79.5
	Minimum	55	59	60	63	63	66	67	73	58	47	42	44	53	52	51	53	58	65	70	68	66	67	68	54	45	41	42	45	51	51	..	56.6
Southwestern Division																																	
Clinton	Maximum	86	82	83	82	82	89	92	93	90	67	68	75	83	79	78	77	91	91	92	93	94	82	80	78	64	69	75	80	82	82	..	82.0
	Minimum	57	62	67	64	68	67	65	68	62	44	39	38	47	57	61	64	60	62	62	63	64	68	67	56	41	36	37	41	48	46	..	56.1
Eldon §§	Maximum	84	83	87	86	86	89	93	86	94	66	68	76	83	85	81	81	90	92	..	..	..	..	95	81	63	68	74	78	81	79	..	^{d}81.9
	Minimum	52	56	60	63	64	64	62	62	71	54	41	42	45	47	55	60	59	59	61	..	..	..	..	61	47	35	34	34	38	40	..	^{d}52.5
Harrisonville §§	Maximum	82	78	85	82	73	83	92	93	89	68	70	79	83	80	72	74	89	90	91	92	92	80	82	77	63	70	73	78	80	80	..	80.7
	Minimum	60	63	64	64	67	66	67	60	69	52	39	45	51	58	60	62	63	64	63	65	67	63	66	66	46	39	39	45	55	53	..	58.0
Jefferson City §§	Maximum	82	85	87	86	85	89	93	97	94	67	68	76	85	88	80	80	91	92	94	95	95	88	80	82	69	64	74	80	81	79	..	83.5
	Minimum	53	53	56	63	59	62	61	65	67	50	37	39	42	42	45	55	57	59	61	61	62	63	66	64	44	34	35	38	42	44	..	52.6
Joplin	Maximum	87	87	75	75	79	87	89	91	92	70	65	74	79	78	82	81	86	86	88	89	84	78	76	75	61	63	70	74	78	78	..	79.3
	Minimum	70	71	68	68	70	68	69	72	70	52	46	44	54	63	64	66	67	69	68	68	68	70	67	61	47	41	42	48	52	56	..	61.3
Lamar §§	Maximum	89	85	81	78	79	92	93	95	95	69	71	77	83	83	77	88	91	92	92	94	87	79	80	80	66	65	75	80	82	83	..	82.7
	Minimum	58	66	67	65	66	64	63	63	68	55	38	38	38	46	59	60	61	61	60	60	61	61	65	63	48	32	33	38	43	45	..	54.8
Lebanon	Maximum	84	84	85	81	87	88	89	91	90	74	65	74	80	82	78	83	87	88	89	92	89	80	77	76	67	69	73	77	78	78	..	81.2
	Minimum	57	58	62	64	64	64	61	64	67	50	36	38	45	56	59	60	58	61	64	65	61	68	65	62	47	34	33	39	43	43	..	54.9
Lexington §§	Maximum	84	86	86	83	74	88	92	94	89	67	68	75	82	85	82	79	89	91	90	92	93	85	83	74	66	69	73	79	84	81	..	82.1
	Minimum	56	63	66	66	69	69	68	69	74	51	43	45	48	59	59	61	62	65	65	65	67	69	68	66	44	38	40	46	48	50	..	58.6
Marshall	Maximum	78	83	85	89	83	85	88	92	91	77	64	72	82	75	75	75	88	89	89	91	92	87	89	77	71	69	72	78	79	82	..	81.6
	Minimum	54	54	55	66	65	69	66	72	71	49	41	44	50	52	56	61	60	65	64	61	64	68	66	66	38	36	40	45	45	50	..	56.5
Mountain Grove	Maximum	88	79	81	79	87	89	90	91	92	84	67	75	79	86	79	82	87	88	91	93	91	86	76	77	71	71	69	75	80	80	..	82.2
	Minimum	59	59	64	67	63	60	62	64	69	51	38	38	49	55	62	61	59	61	64	63	60	68	69	62	54	34	40	43	50	48	..	56.5
Neosho	Maximum	90	89	84	75	79	87	91	91	91	90	67	76	82	84	85	87	85	85	87	88	90	82	81	81	69	64	72	73	79	75	..	82.0
	Minimum	65	66	66	66	67	62	62	63	67	54	37	36	46	55	59	60	60	62	59	61	62	67	65	63	50	33	33	40	42	46	..	55.8
Nevada	Maximum	89	82	80	79	78	90	93	92	92	81	69	77	82	79	76	88	90	90	90	93	90	78	78	74	68	67	75	80	81	84	..	82.3
	Minimum	60	66	67	65	67	67	65	67	68	54	39	38	48	60	60	62	62	63	61	63	63	69	67	63	47	32	36	42	46	45	..	57.1
Sedalia	Maximum	80	86	87	82	85	86	90	94	90	76	66	74	81	84	79	75	88	89	90	92	93	86	79	76	66	66	72	78	83	79	..	81.7
	Minimum	53	53	66	66	66	69	66	70	71	51	37	41	49	56	56	60	62	65	65	66	63	65	67	65	44	34	42	46	55	45	..	57.1
Springfield Airport	Maximum	88	83	80	75	86	87	88	90	90	65	64	72	80	81	83	84	87	86	87	89	86	80	77	76	61	63	68	73	77	76	..	79.4
	Minimum	60	64	66	65	66	67	63	65	65	46	37	36	41	55	62	62	62	62	62	65	62	68	65	55	42	38	38	44	48	51	..	56.2
Warrensburg	Maximum	81	84	85	81	77	87	90	92	89	75	68	75	82	83	79	77	89	91	90	90	92	82	81	77	66	58	72	79	80	81	..	81.1
	Minimum	56	63	67	64	68	68	66	70	70	52	41	42	48	58	58	62	63	67	69	65	65	67	68	65	45	37	48	46	50	49	..	58.6
Southeastern Division																																	
Arcadia §§	Maximum	84	85	84	88	90	89	83	92	96	58	61	73	76	88	79	78	87	90	92	95	94	92	82	72	70	64	67	75	81	81	..	81.5
	Minimum	54	50	54	56	51	54	55	58	65	57	35	34	38	43	58	57	58	54	56	56	57	60	67	67	47	35	31	33	37	41	..	50.6
Birch Tree (near)	Maximum	85	80	82	84	84	86	88	93	93	83	67	73	78	84	80	86	84	89	91	92	89	88	80	76	70	65	70	76	78	76	..	81.7
	Minimum	69	59	59	60	63	62	64	62	62	53	37	38	49	54	56	62	63	56	58	60	60	67	68	63	48	35	35	36	45	48	..	55.0
Caruthersville §§	Maximum	86	85	88	90	92	94	90	92	97	70	70	74	80	84	85	85	90	95	93	93	93	95	93	72	60	67	70	77	80	79	..	84.0
	Minimum	64	62	64	65	64	66	64	64	66	65	43	42	44	46	54	56	60	62	63	65	63	67	70	72	54	47	42	46	49	50	..	58.0
Crystal City	Maximum	82	85	87	89	89	91	92	96	97	78	68	75	81	83	82	80	89	92	93	95	96	94	81	77	64	64	70	76	81	78	..	83.5
	Minimum	52	51	56	54	52	55	57	61	67	52	37	36	36	48	50	55	53	53	53	55	55	62	67	58	46	33	30	32	36	39	..	49.7
Doniphan	Maximum	86	82	88	87	90	91	92	94	96	86	69	75	81	87	82	85	90	93	96	95	93	95	88	79	70	67	71	77	80	80	..	84.8
	Minimum	61	57	60	59	60	56	57	60	54	55	37	36	38	48	54	56	55	53	55	58	60	55	66	66	52	38	33	35	39	41	..	51.8
Farmington	Maximum	82	87	88	89	89	90	91	94	95	88	67	74	81	85	82	83	90	92	94	96	95	95	83	78	76	64	71	77	79	71	..	84.2
	Minimum	60	64	64	57	55	57	67	65	68	55	47	42	48	55	58	59	62	59	56	60	59	65	69	67	47	55	34	36	40	46	..	55.9
Jackson	Maximum	83	85	87	88	91	92	91	95	95	91	68	75	79	89	83	84	88	91	94	95	96	95	88	82	71	65	71	78	80	78	..	84.9
	Minimum	59	53	56	57	56	58	58	58	65	60	48	37	40	53	56	59	58	54	57	58	60	65	71	69	49	42	35	37	40	46	..	53.8
Poplar Bluff	Maximum	85	84	85	90	92	93	93	95	97	81	73	78	80	87	83	85	89	93	94	95	94	93	89	73	65	69	74	73	83	81	..	81.9
	Minimum	59	57	61	61	58	61	60	63	68	54	40	39	40	51	58	59	58	56	59	61	62	68	70	64	52	40	38	39	39	48	..	51.8
Rolla	Maximum	80	82	84	84	84	87	88	92	92	65	65	73	80	84	78	75	87	89	90	92	91	88	77	77	63	66	71	78	79	77	..	80.6
	Minimum	59	59	62	64	64	65	65	69	65	46	39	44	49	59	60	61	59	62	65	68	68	70	67	54	41	37	38	45	51	52	..	56.9
St. Louis	Maximum	80	84	88	89	90	88	90	93	95	66	61	73	81	81	78	79	87	92	94	95	95	94	80	76	63	66	70	78	80	78	..	82.2
	Minimum	65	65	65	67	68	70	72	72	66	53	47	51	54	62	58	60	65	65	68	73	75	74	72	55	48	44	49	50	55	54	..	61.4
Salem	Maximum	80	80	81	83	84	86	88	92	93	83	64	71	79	83	77	77	84	87	89	90	88	86	80	74	61	63	67	73	76	74	..	79.9
	Minimum	53	60	60	57	56	57	62	69	55	36	35	43	53	60	61	59	58	60	60	57	65	67	65	48	32	31	31	39	40	39	..	52.3
Sikeston §§	Maximum	93	89	89	91	95	93	93	99	100	73	74	79	84	90	86	88	92	98	99	99	97	98	91	74	61	66	73	81	81	79	..	86.8
	Minimum	60	58	60	61	61	63	61	61	61	63	37	37	44	51	60	59	60	59	59	61	65	66	71	69	51	43	40	42	43	48	..	55.8
Union	Maximum	83	87	87	91	91	90	93	99	98	80	70	80	84	85	83	82	90	93	96	98	99	91	83	79	71	69	75	83	85	79	..	85.9
	Minimum	51	51	56	57	54	57	57	61	65	53	37	34	37	50	54	58	55	54	55	57	56	63	66	67	47	31	30	33	37	40	..	50.8
West Plains	Maximum	86	78	83	82	86	88	89	93	93	73	67	75	80	84	83	83	87	90	92	93	89	88	79	78	62	65	70	75	78	76	..	81.5
	Minimum	58	60	62	65	60	57	59	60	66	42	35	36	37	46	58	56	52	52	55	57	58	61	66	61	44	36	32	35	39	42	..	51.7
Cairo, Ill.	Maximum	84	83	86	86	89	89	89	91	94	75	67	73	76	83	81	81	86	92	93	93	94	94	87	77	60	63	69	75	77	76	..	82.1
	Minimum	67	62	63	64	64	66	65	68	69	54	47	49	52	56	61	60	61	61	65	67	68	72	74	58	52	46	45	48	52	54	..	59.7

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^{a}, ^{b}, ^{c}, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

Vol. XLIV October 1940 No. 10

Price: 5 Cents a Copy; 25 Cents a Year

GENERAL SUMMARY

The month was deficient in moisture and abnormally warm. In fact, it was the second warmest October of record (1888-1940) and the third consecutive October warmer than normal. Only in 1938 did the temperature average higher than this month and then only 0.9° higher, 63.9° in 1938 compared to 63.0° this month.

There were no unusually high temperatures, but the warmth was steady and persistent, with warmest periods on 5-6th, 11th to 14th, and 22d to 31st. The coolest period was the 15-16th, generally.

Precipitation was irregularly distributed, some stations reporting amounts of three to four inches, or over, while others had less than one-half inch and one station less than one-quarter inch. The Northern Division fared better than the other Divisions of the State, with respect to the amount of moisture received, while the Southeastern Division received the least amount. Dry conditions prevailing this month and in September depleted the copious moisture supply received in August and more rain was needed at the close of October for the growth of fall-sown small grains and for replenishing water supplies. The absence of snow anywhere in the State this month was an exception to the rule as generally some snow occurs somewhere in the State during October.

The warm, open, Indian Summer type of weather which prevailed throughout the month was ideal for all seasonal outdoor activities and maturing of late crops. However, the lack of moisture was an adverse feature of the month and water supplies became low, or exhausted, necessitating hauling of water for both domestic and live stock use, in many localities. A general killing frost had not occurred at the close of the month and vegetation was still green and gardens producing, except locally where damaging frost occurred as early as September 11th and 12th. Some stations had killing frost on October 16th but the occurrence was only local. Farm activities were well advanced, the bulk of the corn crop had been cribbed. Wheat was green and growing although short and needing more rain.—M. R. W.

TEMPERATURE

The monthly mean for the State, 85 stations reporting, was 63.0°, or 5.4° above normal. The highest monthly mean was 65.9° at Joplin and Campbell, and the lowest monthly mean was 59.3° at Goodland. The highest recorded was 94° at Marble Hill on the 5th, and the lowest was 28° at Louisiana on the 16th. The greatest daily range was 51° at Ozark Beach on the 19th.

PRECIPITATION

The average for the State, 145 stations reporting, was 1.73 inches, or 1.11 inches less than normal. The greatest local monthly amount was 4.48 inches at Shelbina, and the least local monthly amount was 0.16 inch at Cape Girardeau. The greatest amount in any twenty-four hours was 2.05 inches at Philadelphia on the 6th. The average number of days with 0.01 inch or more was 6.

There was no snowfall recorded anywhere in the State.

MISCELLANEOUS PHENOMENA

Aurora.—7th.

Fog.—Dense, 8th, 10th, 11th, 16th, 30th, 31st.

Frosts.—Light, 8th, 9th, 15th, 16th, 17th, 18th, 29th, 30th, 31st; heavy, 16th, 20th; killing, 15th, 16th, 17th, 18th.

(Continued on page 51)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.05*	30.36*	15	29.74*	28	6.5	22	sw.	6	77*	44*	56*	75
Kan. C. Airport	30.02	30.42	15	29.63	28	9.6	29	sw.	4	75	46	49	69
St. Joseph	30.01*	30.44*	15	29.65*	28	7.7	28	nw.	14	90*	48*	60*	74
St. Louis	30.06*	30.34*	18	29.79*	19	10.9	30	sw.	6	68	41	41	77
Springfield	30.07	30.34	15	29.79	31	9.8	27	sw.	6	82	50	62	79
Cairo, Ill.	30.08	30.34	18	29.77	31	6.7	26	n.	15	82	39	..	86
Keokuk, Iowa	30.07§	30.37	15	29.71	28	6.3	26	nw.	29	75	46	..	79

* Data for Airport Station. § 7:30 a. m.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	53.6	89	24	2.72	2.02	3.32	2.82	....	6	..	..	..
1889	53.8	91	22	2.32	2.54	2.05	2.38	....	5	..	..	..
1890	54.8	91	20	2.35	3.01	2.70	1.33	....	7	..	..	..
1891	55.7	92	20	1.05	1.31	1.09	0.76	....	5	..	..	..
1892	57.5	95	16	2.40	2.04	2.78	2.39	0	5	16	7	8
1893	56.7	95	16	1.12	0.48	0.91	1.97	....	3	20	8	3
1894	57.6	94	18	1.82	2.09	1.26	2.12	T.	6	17	8	6
1895	51.2	89	14	0.42	0.26	0.34	0.66	T.	2	21	6	4
1896	54.1	90	19	2.48	2.70	2.43	2.32	0	5	19	6	6
1897	62.5	99	23	0.74	0.55	0.81	0.87	0	3	22	6	3
1898	53.5	95	19	4.35	4.26	4.18	4.61	1.4	8	11	7	13
1899	62.4	100	24	3.16	1.98	3.58	3.93	0	5	20	6	5
1900	62.4	92	25	3.96	5.23	3.78	2.86	0	7	17	7	7
1901	60.1	96	24	1.69	1.55	1.63	1.89	0	6	18	8	5
1902	59.5	88	23	2.41	2.90	2.30	2.02	0	5	21	5	5
1903	57.3	90	19	3.06	2.19	3.76	3.22	0	6	19	6	6
1904	57.6	90	19	0.88	0.93	0.81	0.90	0	3	20	7	4
1905	55.1	90	20	4.85	3.67	5.78	5.09	0.3	10	15	7	9
1906	56.3	94	17	1.06	0.66	0.89	1.62	0	5	17	6	8
1907	56.7	94	18	2.93	2.02	3.62	3.14	0	7	17	6	8
1908	56.3	92	21	2.39	3.60	3.11	0.45	0.8	5	18	6	7
1909	57.2	96	20	2.72	3.45	2.99	1.71	T.	6	19	5	7
1910	59.4	94	15	2.97	0.97	1.76	6.18	0	5	22	4	5
1911	56.9	96	25	3.16	3.81	3.31	2.36	0.2	8	11	7	13
1912	59.1	97	21	3.78	3.87	4.29	3.17	0.7	6	20	5	6
1913	54.7	93	11	4.65	3.68	3.92	6.36	3.3	9	15	6	10
1914	59.2	88	19	4.59	4.32	4.28	5.17	0	7	14	6	11
1915	59.3	95	22	1.22	0.77	1.61	1.29	0	3	23	5	3
1916	58.0	95	20	2.12	2.53	2.03	1.79	0.3	6	18	5	8
1917	49.8	93	12	1.15	1.25	0.77	1.43	0.2	6	16	8	7
1918	60.6	95	28	3.45	3.02	3.51	3.82	0	7	14	6	11
1919	58.4	98	17	7.07	3.49	8.48	9.23	0	11	10	7	14
1920	61.3	93	18	3.14	1.94	3.76	3.73	T	7	17	6	8
1921	57.9	92	24	2.15	2.78	2.20	1.47	0	5	21	5	5
1922	59.9	97	18	2.04	2.00	1.84	2.28	0	5	20	5	6
1923	53.0	89	17	3.55	2.40	4.40	3.84	0.1	9	15	5	11
1924	61.8	92	21	1.22	1.54	1.59	0.52	0	4	22	5	4
1925	48.6	92	− 3	4.98	3.70	4.12	7.12	2.4	10	8	8	15
1926	57.3	93	21	4.73	4.43	4.98	4.77	0	9	14	6	11
1927	60.9	93	26	4.59	5.49	5.33	2.96	0	5	22	5	4
1928	60.9	94	22	3.82	3.85	2.91	4.71	0	8	15	8	8
1929	57.2	91	23	5.36	6.30	5.97	3.80	T.	10	15	6	10
1930	55.3	92	11	3.09	2.43	3.68	3.17	T.	6	16	6	9
1931	61.7	95	27	3.37	3.89	3.99	2.23	0	8	15	7	9
1932	55.7	90	22	3.54	2.79	3.19	4.65	0	5	18	5	8
1933	56.4	86	23	2.90	1.68	3.78	3.25	0	7	17	8	6
1934	61.1	90	24	2.50	2.22	3.02	2.25	0	4	22	5	4
1935	57.1	90	21	3.47	2.04	4.42	3.94	T.	10	12	7	12
1936	56.7	89	20	3.55	2.45	3.76	4.43	T.	8	16	6	9
1937	56.3	98	15	2.44	1.57	1.89	3.86	T	7	16	6	9
1938	63.9	99	19	1.23	1.11	1.50	1.09	0	3	24	4	3
1939	61.1	100	19	1.89	1.39	1.92	2.35	0	6	21	7	3
1940	63.0	94	28	1.73	2.31	1.65	1.23	0	6	20	6	5
	....	..	....	....	....	....	....	....	..	..	..	..
Period	57.6	100	− 3	2.84	2.56	2.98	2.97	0.2	6	18	6	7

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Climatological Data for October 1940

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	45	62.2	+ 7.4	88	25	32	16	44	47	1.54	−1.38	0.44	0	7	18	4	9	se.	A. S. Cumming
Brunswick	Chariton	652	59	61.6	+ 6.3	88	25	35	16†	40	61	2.71	−0.29	0.80	0	8	23	4	4	ne.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	2	60.2	......	86	25	33	16	40	10	2.51	+0.25	0.82	0	8	21	6	4	se.	Lockmaster
Chillicothe	Livingston	779	31	63.1	+ 8.1	90	5	35	16	44	34	2.03	−1.11	0.77	0	7	21	3	7	se.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	41	62.0	+ 5.3	87	5	34	16	42	31	3.18	+0.66	1.25	0	7	20	2	9	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	50	63.6	+ 6.7	90	5	33	16	35	50	2.60	−0.01	1.14	0	7	17	6	8	s.	U. S. Weather Bureau
Conception	Nodaway	980	51	64.0	+ 8.6	88	5	34	15	39	56	1.06	−1.82	0.51	0	8	14	12	5	sw.	Fr. Adelhelm Hess
Edgerton	Platte	856	20	63.8	+ 7.5	90	5	34	8	45	29	1.58	−1.04	0.85	0	5	21	2	8	s.	Fred L. Stiff
Elsberry	Lincoln	449	9	61.0	+ 3.5	88	5†	29	16	42	9	1.05	−1.46	0.45	0	5	20	8	3	sw.	Ray E. Mills
Fayette	Howard	760	60	62.1	+ 5.7	88	5	33	16	36	57	2.93	+0.04	1.19	0	7	22	3	6	sw	Irvin E. Schnell
Fulton	Callaway	818	52	61.5	+ 4.1	90	5	29	16	45	48	1.75	−1.67	0.71	0	5	20	7	4	sw.	Clyde C. Herring
Grant City	Worth	1,134	36	62.2	+ 7.1	89	12	35	20	45	48	1.57	−1.47	0.75	0	6	14	8	9	sw.	Howard Rybolt
Hannibal	Marion	759	48	62.0	+ 6.0	86	5	37	16	33	56	3.21	+0.82	1.12	0	8	16	8	7	s.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	51	65.4	+ 7.7	89	21	35	16	35	51	1.68	−1.24	0.67	0	6	14	6	11	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	2	63.6	......	90	5	32	16	42	2	2.00	......	0.60	0	7	17	5	9	s.	University of Kansas City
Kidder	Caldwell	1,020	48	63.0	+ 7.2	87	5	36	16	36	52	1.72	−1.35	0.41	0	7	20	2	9	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	51	61.4	+ 6.7	85	5†	34	16	35	58	3.67	+0.51	1.42	0	8	21	5	5	se.	Howard Coons
Lawson	Ray	1,070	2	63.5	......	89	21	37	15	37	2	2.28	......	0.93	0	7	16	8	7	sw.	Elmer E. Lamb
Louisiana	Pike	469	46	60.8	+ 4.6	89	25	28	16	44	59	2.10	−1.18	0.65	0	6	20	7	4	w.	Stark Bro's Nurseries
Macon	Macon	875	41	61.2	+ 4.9	85	5†	34	16	41	47	3.83	+0.94	0.80	0	8	20	6	5	sw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	50	62.7	+ 9.2	88	12†	35	15	40	46	0.94	−2.03	0.41	0	5	17	5	9	sw.	R. B. Montgomery
Memphis	Scotland	787	1	59.8	......	85	25†	34	16†	39	10	3.61	+1.68	1.18	0	6	19	6	6	sw.	John W. Alexander
Mexico	Audrain	800	51	62.5	+ 6.2	89	5	30	16	41	62	2.36	−0.71	0.95	0	5	24^{b}	1^{b}	4^{b}	w.	Mrs. Abbie Snoddy
Moberly	Randolph	875	3	62.7	......	87	5	35	16	41	3	2.93	......	0.94	0	6	22	5	4	sw.	Beverly Coomes
Oregon	Holt	1,048	84	64.4	+ 9.3	88	12†	34	15	40	84	0.86	−1.89	0.47	0	5	21	7	3	sw.	Miss Mina Wright
St. Charles	St. Charles	520	52	63.6	+ 5.4	91	5	35	16	35	62	2.17	−1.01	1.29	0	4	24	5	2	s.	Martin L. Comann
St. Joseph	Buchanan	957	30	64.4	+ 8.4	88	5	39	15	37	68	1.06	−1.83	0.47	0	8	18	5	8	s.	U. S Weather Bureau
Steffenville	Lewis	650	42	61.4	+ 4.0	86	5†	30	16	44	47	2.75	+0.02	0.70	0	8	16	10	5	s.	Frank Hall
Tarkio	Atchison	916	37	61.7	+ 6.9	89	24	35	15†	46	46	1.89	−0.92	0.60	0	6	18	5	8	sw.	Albert Volker
Trenton	Grundy	822	44	62.2	+ 6.3	87	25	33	16	38	45	2.29	−0.84	1.02	0	6	18	7	6	s.	W. H. Estes
Unionville	Putnam	1,062	47	60.9	+ 5.7	89	22†	34	16	45	47	1.65	−1.48	0.65	0	7	24	3	4	s.	John H. Schick
Warrenton	Warren	816	58	64.4	+ 8.4	90	5	32	16	39	50	1.30	−2.14	0.50	0	6	16	9	6	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	68	61.8	+ 6.4	85	5	38	16	32	68	3.14	+0.88	0.95	0	7	16	10	5	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**62.4**	**+ 6.6**	**91**	**5**	**28**	**16**	**46**	..	**2.31**	**−0.25**	**2.05**	**0**	**7**	**19**	**6**	**6**	**sw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	36	63.2	+ 4.5	87	5	33	16	40	41	3.05	−0.84	1.28	0	6	22	4	5	sw.	E. S. Taylor
Appleton City	St. Clair	813	45	63.4	+ 4.5	90	5	32	16†	46	48	1.35	−1.61	0.45	0	5	23	1	7	sw.	Rolla Brown
Bolivar	Polk	1,071	37	64.0	+ 5.4	88	5	34	16	39	45	1.59	−1.66	0.58	0	7	21	4	6	sw	Southwest Baptist College
Boonville	Cooper	650	2	63.6	......	87	5	36	16	35	63	1.54	−1.68	0.50	0	6	21	8	2	se.	Boonville Water Dept.
Carthage	Jasper	962	6	63.4	......	86	5	33	16	43	16	2.02	......	0.75	0	6	21	5	5	sw.	Carthage W. and E. Plant
Clinton	Henry	786	47	64.4	+ 5.5	90	5†	34	16	44	53	1.26	−2.19	0.47	0	5	11	14	6	sw.	U. S. Weather Bureau
Eldon	Miller	934	45	62.6	+ 5.2	88	5†	33	16†	45	41	1.18	−2.52	0.37	0	7	23	5	3	sw.	E. H. Shepherd
Harrisonville	Cass	904	62	64.9	+ 8.8	90	21	37	15†	40	65	1.15	−1.82	0.39	0	6	18	5	8	sw.	John H. Patterson
Jefferson City	Cole	557	50	62.4	+ 5.6	88	5†	30	16	44	58	1.34	−2.03	0.45	0	7	23	3	5	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	18	65.9	+ 5.7	85	5	41	16	30	35	2.07	−1.38	0.70	0	6	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	9	63.0	......	87	5†	31	16	44	9	1.15	......	0.52	....	7	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	52	63.4	+ 4.5	90	5†	33	16†	45	59	1.53	−2.08	0.63	0	4	25	2	4	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	52	63.0	+ 5.3	87	5	31	16	40	53	1.66	−2.11	0.42	0	6	16	12	3	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	55	65.0	+ 7.5	90	5	39	16	39	56	1.02	−2.01	0.55	0	7	18	9	4	s.	Miss Carrie Loomis
Lockwood	Dade	1,078	34	63.7	+ 5.0	86	13	34	16	38	44	1.62	−2.28	0.60	0	6	22	5	4	sw.	Hubert A. Nieman
Marshall	Saline	779	53	62.5	+ 5.9	89	5	38	16†	41	50	2.32	−0.81	1.10	0	6	21	6	4	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	39	64.0	+ 6.4	86	5	32	16	35	43	1.88	−1.58	0.88	0	7	15	15	1	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	28	65.2	+ 6.6	89	5	32	16	47	40	2.23	−1.15	0.90	0	4	13	13	5	se.	G. H. Boswell
Neosho	Newton	1,011	53	63.0	+ 8.8	91	5	32	16	41	57	2.32	−1.37	1.14	0	7	23	1	7	s.	U. S. Fisheries Station
Nevada	Vernon	862	47	61.8	+ 7.2	89	5†	31	16	45	48	1.14	−1.93	0.61	0	7	20	7	4	sw.	Henry Kraft
Ozark Beach	Taney	700	0	62.9	......	89	5	35	16†	51	15	2.03	−1.84	0.85	0	4	18	11	2	......	V. Smith
Sedalia	Pettis	910	27	64.9	+ 7.2	88	5	37	15	34	29	1.47	−1.21	0.86	0	7	22	3	6	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	39	62.4	+ 3.4	81	5	36	16	31	37	2.37	−1.09	0.80	0	5	21	5	5	sw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	34	61.6	+ 4.2	89	5	30	16	39	34	2.07	−1.41	0.71	0	7	21	4	6	sw.	A. L. Hailey
Springfield	Greene	1,301	52	62.6	+ 4.4	84	5	34	16	35	52	2.14	−0.91	0.64	0	7	20	3	8	s.	U. S. Weather Bureau
Versailles	Morgan	1,037	13	....	......	..	..	..	..	..	16	....	..	..	....	..	..	..	..	......	Robert Otten
Warrensburg	Johnson	878	53	61.7	+ 6.7	89	5	37	16	38	60	1.24	−1.78	0.52	0	5	20	7	4	sw.	E. A. Markey
Warsaw	Benton	687	39	64.4	+ 5.4	91	5	30	16	44	45	1.35	−2.45	0.39	0	6	21	6	4	sw.	Everett Martin
Division means	**and extremes**	.....	..	**63.7**	**+ 5.6**	**91**	**5**	**30**	**16**	**51**	..	**1.65**	**−1.33**	**1.28**	**0**	**6**	**20**	**6**	**5**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	3	60.8	......	90	5†	29	18	47	3	0.46	......	0.23	0	3	20	7	4	sw.	U. S. Weather Bureau
Arcadia	Iron	926	59	61.6	+ 5.6	91	5	31	16†	49	62	1.59	−1.86	0.88	0	5	26	2	3	......	Arcadia College
Birch Tree(near)	Shannon	1,000	45	61.8	+ 3.4	88	5	33	18	40	46	1.39	−1.89	0.78	0	4	28	2	1	s.	V. H. Kirkendall
Campbell	Dunklin	314	14	65.9	+ 5.8	90	5†	38	18	44	14	0.42	−2.68	0.27	0	3	23	8	0	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	44	64.5	+ 2.3	89	13	38	17†	40	48	1.14	−2.22	0.47	0	4	28	1	2	e.	Victor T. Malloure
Crystal City	Jefferson	420	6	60.6	......	91	5	30	16†	46	6	1.61	......	0.81	0	5	13	10	8	se.	Frank Magre
Doniphan	Ripley	344	36	62.0	+ 3.5	90	5	31	18	49	36	0.96	−2.10	0.40	0	3	28	2	1	sw.	Boyce Lackey
Farmington	St. Francois	896	29	62.8	+ 6.0	90	5	34	18	42	43	2.62	−0.82	1.97	0	6	22	5	4	s.	F. M. Karsch
Goodland	Iron	1,000	47	59.3	+ 3.4	88	5	30	16†	44	47	2.14	−1.45	1.35	0	5	24	5	2	s.	F. M. Adams
Greenville	Wayne	381	31	61.2	+ 3.6	91	26	30	18	47	33	0.57	−2.71	0.57	0	1	19	8	4	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	49	62.4	+ 4.5	88	5	32	18	40	50	1.13	−2.39	0.68	0	2	20	10	1	n.	L. R. Crites
Koshkonong	Oregon	958	39	61.5	+ 4.9	87	5	39	16	32	40	1.15	−2.07	0.95	0	4	20	3	8	sw.	R. M. Hitt
Licking(near)	Texas	1,170	3	61.5	......	88	5	29	16	44	3	1.72	.....	0.75	0	8	26	1	4	s.	U. S. Forestry Service
Marble Hill	Bollinger	470	45	63.6	+ 5.4	94	5	31	31	46	47	0.64	−2.78	0.44	0	2	22	7	2	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	35	63.8	+ 3.7	90	5†	35	18	45	36	0.59	−3.07	0.38	0	3	25	6	0	w	Mrs. J. H. Wolpers
Rolla	Phelps	1,202	40	64.1	+ 7.6	89	5	38	16	32	56	2.07	−1.39	1.30	0	8	13	10	8	s	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	103	65.6	+ 6.8	90	5	43	16	30	103	1.44	−1.28	0.89	0	5	21	4	6	sw.	**Section Center**
St. Louis Airport	St. Louis	556	3	63.0	......	90	5	36	16	37	9	2.41	......	1.65	0	5	18	6	7	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	28	65.3	+ 6.7	89	5	43	16	30	28	1.35	−1.81	0.89	0	5	24	5	2	se	St. Louis University
Salem	Dent	1,173	36	61.3	+ 3.7	85	5	31	15	40	39	2.55	−1.07	1.20	0	6	22	7	2	s.	E. E. Martin
Sikeston	Scott	318	33	64.8	+ 5.5	93	13	35	17	46	43	0.56	−2.71	0.43	0	2	17	14	0	ne.	Mrs. Hazel P. Young
Union	Franklin	520	2	62.2	......	93	5	30	16	49	23	1.34	−2.14	0.66	0	6	18	7	6	s.	Robert Mueller
Wappapello Dam	Butler	475	1	62.4	......	89	5	33	18	45	1	0.62	......	0.32	0	2	25	5	1	s.	J. E. Harns
West Plains	Howell	1,005	3	60.6	......	88	5	31	18	42	3	0.95	......	0.51	0	4	19	4	8	s.	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	68	64.8	+ 4.4	86	13	41	17	32	69	0.73	−2.03	0.48	0	5	19	6	6	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**62.8**	**+ 4.8**	**94**	**5**	**29**	**16†**	**49**	..	**1.23**	**−1.74**	**1.97**	**0**	**4**	**22**	**6**	**3**	**s.**	
State means	**and extremes**	.....	..	**63.0**	**+ 5.4**	**94**	**5**	**28**	**16**	**51**	..	**1.73**	**−1.11**	**2.05**	**0**	**6**	**20**	**6**	**5**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for October 1940

Stations	Drainage basins	Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Amity[2]	Grand	....	....	.01	.09	....	.08	.05	....	....	....	.28	....	....	.02	.14	....	....	....	....	....	....	....	T.	T.	....	....	....	.01	.25	....	.24	1.17
Bethany	....do	....	....	....	.32	....	.14	....	....	....	.27	.12	....	....	.03	....	....	....	....	....	....	....	....	....	....	....	....	....	.22	....	....	.44	1.54
Bowling Green[2]	Mississippi	....	....	....	....	.65	....	.35	....	....	....	.20	....	....	....	.30	....	....	....	....	....	....	....	....	....	....	....	....	....	.09	....	....	1.59
Brunswick[2]	Grand	....	....	.01	.80	.40	....	.46	....	....	....	.42	....	....	.12	.85	....	....	....	....	....	....	....	....	....	....	....	....	....	.12	....	....	2.71
Canton, Lock No. 20[2]	Mississippi	....	....	....	.09	.45	.01	.82	....	....	....	.25	....	....	T.	.52	....	....	....	....	....	....	....	T.	.01	....	....	....	T.	.36	....	....	2.51
Centralia[2]	....do.	....	....	....	.40	....	....	.71	....	....	....	.18	....	....	.57	....	....	....	....	....	....	....	....	....	....	....	....	....	.12	.29	....	....	2.27
Chillicothe[2] ......(A)	Grand	....	....	....	.25	....	.11	.09	....	....	....	.31	....	....	.77	.43	....	....	....	....	....	....	....	....	....	....	....	....	....	.07	....	....	2.03
Clifton Hill	Chariton.	....	....	....	1.25	.15	.24	....	....	....	....	....	....	....	.72	....	....	....	....	....	....	....	....	....	....	....	....	....	.23	.43	....	.16	3.18
Columbia[1]‡	Missouri	....	....	T.	.39	....	1.14	....	....	....	.07	.03	....	....	.34	....	....	....	....	....	....	....	....	T.	....	....	....	T.	.46	....	....	.17	2.60
Conception	....do	....	.04	....	.03	.04	.11	....	....	....	.08	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	T	.18	.07	....	.51	1.06
Edgerton	Missouri	....	....	T.	....	T.	.12	....	....	....	.20	....	....	....	.85	....	....	....	....	....	....	....	....	T.	T.	....	....	.05	.36	....	....	....	1.58
Edina[2]	Mississippi	....	....	....	.16	.84	.08	.37	....	....	....	.29	....	....	T.	1.05	....	....	....	....	....	....	....	....	....	....	....	....	T.	.94	....	....	3.73
Elsberry	....do	....	....	....	.45	....	.35	....	....	....	....	.04	....	....	.17	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	.04	....	....	1.05
Farber[2]	....do	....	....	....	....	.49	....	.43	....	....	....	....	....	....	....	.48	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	T.	....	1.40
Fayette	Missouri	....	....	....	.45	....	1.19	....	....	....	....	.17	....	....	.42	....	....	....	....	....	....	....	....	T.	....	....	....	T	.25	.18	....	.27	2.93
Fulton[2]	....do	....	....	....	T.	.71	....	.18	....	....	....	.05	....	....	....	.28	....	....	....	....	....	....	....	....	T.	....	....	....	....	.53	....	....	1.75
Gallatin[2]	Grand	....	....	....	.18	....	....	.23	....	....	....	.50	....	....	.14	.21	....	....	....	....	....	....	....	....	....	....	....	....	....	.15	....	....	1.41
Gorin	Mississippi	....	....	....	.68	T.	.47	....	....	....	T.	.14	....	....	.91	....	....	....	....	....	....	....	....	....	....	....	....	....	.49	.65	....	T.	3.34
Grant City	Grand	....	....	....	.20	T.	.10	....	....	....	.12	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.28	.12	....	.75	1.57
Hannibal[3] ....(A)	Mississippi	....	....	....	.70	.42	.91	....	....	....	.37	.03	....	....	.53	....	....	....	....	....	....	....	....	....	....	....	....	T.	.10	....	....	.15	3.21
Hermann[2]	Missouri	....	....	....	....	.54	....	.50	....	....	....	T	....	....	....	.12	....	....	....	....	....	....	....	....	....	....	....	....	....	.11	....	....	1.27
Kahoka[2]	Mississippi	....	....	....	*	.68	....	.52	....	....	....	.18	....	....	*	.95	....	....	....	....	....	....	....	....	....	....	....	....	....	.64	....	....	2.97
Kansas City Airport[1]‡	Missouri	T.	T.	T.	.02	T.	.03	....	....	....	.08	....	....	....	.41	....	....	....	....	....	....	....	....	T.	....	....	....	T.	.47	....	....	.67	1.68
Kansas City University	....do	....	....	....	.01	....	.05	....	....	....	.07	.24	....	....	.60	....	....	....	....	....	....	....	....	....	....	....	....	....	.58	....	....	.45	2.00
Kidder[2]	Grand	....	....	....	.09	....	....	.25	....	....	....	.34	....	....	.41	.16	....	....	....	....	....	....	....	....	....	....	....	....	....	.31	....	.16	1.72
King City	Missouri	....	....	....	....	.15	.15	....	....	....	....	....	....	....	.11	....	....	....	....	....	....	....	....	....	....	....	....	.12	.06	.12	....	.89	1.60
Kirksville	Mississippi	....	....	.02	1.10	.02	.33	....	....	....	T.	.41	....	....	1.42	....	....	....	....	....	....	....	....	....	....	....	....	....	*	.37	....	T.	3.67
LaBelle[2]	....do	....	....	....	*	*	*	1.01	....	....	....	.64	....	....	....	.82	....	....	....	....	....	....	....	....	....	....	....	....	....	.72	....	....	3.19
Lawson	Missouri	....	....	T.	.07	T.	.04	....	....	....	.23	.16	....	....	.93	....	....	....	....	....	....	....	....	T.	....	....	....	T.	.26	....	....	.59	2.28
Linneus[2]	Grand	....	....	T.	.37	T.	.07	.21	....	....	....	.56	....	....	.42	.51	....	....	....	....	....	....	....	....	....	....	....	....	.16	.10	....	....	2.40
Louisiana ....(A)	Mississippi	....	....	....	.55	....	.65	T.	....	....	.27	....	....	....	.30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	.28	2.10
Lucerne[2]	Grand	....	....	....	.40	....	....	.24	....	....	....	.07	....	....	.23	....	....	....	....	....	....	....	....	....	....	....	....	....	.04	.38	....	....	1.36
Macon[2]	Chariton	....	....	....	.78	.69	....	.80	....	....	....	.15	....	....	.08	.50	....	....	....	....	....	....	....	....	....	....	....	....	.03	.80	....	....	3.83
Madison[2]	Mississippi	....	....	....	.86	.07	.81	....	....	....	....	.13	....	....	.50	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.31	....	....	2.68
Maryville	Missouri	....	T.	T.	T.	.04	.13	....	....	....	T.	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	T.	.25	.16	....	.36	0.94
Memphis[2]	Mississippi	....	....	....	T	.75	....	.51	....	....	....	.22	....	....	.10	1.08	....	....	....	....	....	....	....	....	....	....	....	....	....	.95	....	....	3.61
Mexico[2]	....do	....	....	....	....	.95	....	.75	....	....	....	.10	....	....	....	.38	....	....	....	....	....	....	....	....	....	....	....	....	....	.18	....	....	2.36
Milan[2]	Grand	....	....	....	.23	....	....	.27	....	....	....	.34	....	....	.50	.26	....	....	....	....	....	....	....	....	....	....	....	....	.08	.03	....	....	1.71
Moberly	Mississippi	....	....	....	.82	.12	.84	....	....	....	....	.26	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	.59	....	....	.30	2.93
Monroe City	....do	....	....	....	.65	.34	.69	....	....	....	....	.19	....	....	.54	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	.52	....	....	2.93
Oregon	Missouri	....	T.	....	.04	T.	.15	....	....	....	T.	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	T.	.37	.10	....	.20	0.86
Palmyra[2]	Mississippi	....	....	....	.60	.15	....	.90	....	....	....	.30	....	....	....	.55	....	....	....	....	....	....	....	T.	T.	....	....	....	T.	.12	....	....	2.62
Paris[2]	....do	....	....	....	.05	1.01	....	.90	....	....	....	.19	....	....	....	.35	....	....	....	....	....	....	....	....	T.	....	....	....	....	.35	....	....	2.85
Perry[2]	....do	....	....	....	*	.55	.15	1.15	....	....	....	....	.12	....	....	.35	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	....	....	2.42
Philadelphia[2]	....do	....	....	....	.80	....	....	2.05	....	....	....	.14	....	....	....	.45	....	....	....	....	....	....	....	....	....	....	....	....	....	.21	....	....	3.65
St. Charles[2]	Missouri	....	....	....	....	.49	....	1.29	....	....	.05	....	....	....	....	.34	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	2.17
St. Joseph[1]‡	....do	....	.04	.01	.02	....	.07	....	....	....	.03	....	....	....	.14	....	....	....	....	....	....	....	....	T.	....	....	....	T.	.28	....	....	.47	1.06
Saverton, Lock No. 22[2]	Mississippi	....	....	....	T.	.83	....	1.54	....	....	....	.43	....	....	....	.31	....	....	....	....	....	....	....	....	....	....	....	....	T.	.03	....	....	3.14
Shelbina	....do	....	....	....	.24	1.52	....	1.24	....	....	....	.15	....	....	....	.65	....	....	....	....	....	....	....	....	....	....	....	....	....	.68	....	....	4.48
Shelbyville[2]	....do	....	....	....	....	1.37	....	.87	....	....	....	.22	....	....	....	.57	....	....	....	....	....	....	....	....	....	....	....	....	....	.51	....	....	3.54
Steffenville	....do	....	....	....	.70	.06	.70	....	....	....	....	.34	....	....	.42	....	....	....	....	....	....	....	....	T.	....	....	....	....	.04	.46	....	.03	2.75
Tarkio	Missouri	....	.24	.40	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.15	.45	....	.55	1.89
Trenton	Grand	....	....	....	1.02	T.	.23	....	....	....	.50	....	....	....	.37	....	....	....	....	....	....	....	....	....	....	....	....	....	.02	....	....	.15	2.29
Troy[2]	Mississippi	....	....	....	....	.56	....	.88	....	....	....	.02	....	....	....	.22	....	....	....	....	....	....	....	....	T.	....	....	....	....	.20	....	....	1.88
Unionville[2]	Chariton	....	....	T.	.24	....	....	.40	....	....	....	.12	....	....	.57	.08	....	....	....	....	....	....	....	....	T.	....	....	....	.09	.15	....	....	1.65
Warrenton	Mississippi	....	....	....	.40	....	.50	....	....	....	....	.05	....	....	.14	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	.11	....	.10	1.30
Keokuk, Iowa[1]‡	....do	....	....	T.	.68	T.	.39	....	....	....	.28	.01	....	....	.79	....	....	....	....	....	....	....	....	....	....	....	....	T.	.95	....	....	.04	3.14
Southwestern Division																																	
Altona[2]	Osage	....	T.	T.	....	....	T.	....	....	....	T.	....	T.	....	*	.70	....	....	....	....	....	....	....	....	....	....	....	....	....	.53	....	.25	1 48
Anderson (near)	Neosho	....	....	....	T.	....	.78	....	....	....	.02	....	....	....	1.28	....	....	....	....	....	....	....	....	....	....	....	....	.08	.77	....	....	.12	3.05
Appleton City.	Osage	....	....	....	.01	....	.45	....	....	....	T.	....	....	....	.15	....	....	....	....	....	....	....	....	....	....	....	....	....	.42	....	....	.32	1.35
Bolivar	....do	....	....	....	.08	....	.13	....	....	....	.04	....	....	....	.56	....	....	....	....	....	....	....	....	....	....	....	....	.10	.58	....	....	.10	1.59
Boonville[2] ......(A)	Missouri	....	....	....	.15	....	....	.38	....	....	....	.30	....	....	*	.50	....	....	....	....	....	....	....	....	....	....	....	....	....	.21	....	....	1.54
Buffalo[2]	Osage	....	....	....	....	....	....	.45	....	....	....	....	....	....	....	.50	....	....	....	....	....	....	....	....	....	....	....	....	....	.51	....	....	1.46
Caplinger Mills	....do	....	T.	.03	....	....	.10	....	....	....	....	.12	....	....	.21	....	....	....	....	....	....	....	....	....	....	....	....	T.	.62	....	....	.27	1.35
Carthage	Neosho	T.	....	T.	.02	....	.09	....	....	....	.08	....	....	....	.63	....	....	....	....	....	....	....	....	....	....	....	....	T.	.75	....	....	.45	2.02
Clinton[4]	Osage	....	....	....	.03	....	.18	....	....	....	T.	....	....	....	.37	....	....	....	....	....	....	....	....	....	....	....	....	....	.47	....	....	.21	1.26
Concordia[2]	Missouri	....	....	....	....	....	....	.48	....	....	....	.27	....	....	.16	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	....	....	1.21
Eldon[3]	....do	....	....	....	.02	.23	....	.15	....	....	....	.24	....	....	....	.16	....	....	....	....	....	....	....	....	....	....	....	....	.01	.37	....	....	1.18
Galena[2]	White	....	....	....	T.	....	....	.68	....	....	....	.06	....	....	....	.54	....	....	....	....	....	....	....	....	....	....	....	....	.08	.04	....	....	1.40
Hailey	....do	....	....	....	....	....	.44	....	....	....	....	....	....	....	.90	....	....	....	....	....	....	....	....	....	....	....	....	....	.89	....	....	.04	2.27
Harrisonville[2]	Osage	....	....	....	....	....	....	.11	....	....	....	.10	....	....	.19	.07	....	....	....	....	....	....	....	....	....	....	....	....	....	.39	....	.29	1.15
Jefferson City[2]	Missouri	....	....	....	.02	.16	....	.45	....	....	....	.08	....	....	....	.18	....	....	....	....	....	....	....	....	....	....	....	....	.03	.42	....	....	1.34
Joplin[3]	Neosho	....	....	.08	....	....	.14	....	....	....	.07	....	....	....	.70	....	....	....	....	....	....	....	....	....	....	....	....	....	.66	....	....	.42	2.07
Lakeside[2]	Osage	....	....	....	.08	.03	....	.09	....	....	....	.09	....	....	....	.32	....	....	....	....	....	....	....	....	....	....	....	....	.02	.52	....	....	1.15
Lamar[2]	Neosho	....	....	....	....	....	....	.45	....	....	....	.10	....	....	....	.35	....	....	....	....	....	....	....	....	....	....	....	....	....	.63	....	....	1.53
Lebanon	Osage	....	....	....	.36	....	.31	....	....	....	....	....	....	....	.42	....	....	....	....	....	....	....	....	....	....	....	....	.11	.34	....	....	.12	1.66
Lexington[2]	Missouri	....	....	....	.03	....	....	.02	....	....	....	.20	....	....	.30	.25	....	....	....	....	....	....	....	....	....	....	....	T.	....	.15	....	.08	1.02
Lockwood	Osage	....	....	....	.02	....	.15	....	....	....	.07	....	....	....	.48	....	....	....	....	....	....	....	....	....	....	....	....	T.	.60	....	....	.30	1.62
Marshall	Missouri	....	....	....	.20	....	.53	....	....	....	....	.20	....	....	1.10	....	....	....	....	....	....	....	....	....	....	....	....	....	.20	....	....	.09	2.32
Mountain Grove	White	....	....	....	....	....	.20	.39	....	....	....	....	....	....	.74	.14	....	....	....	....	....	....	....	....	....	....	....	.12	.24	.05	....	....	1.88
Mount Vernon	Neosho	....	....	....	T.	....	.55	....	....	....	.08	....	....	....	.90	....	....	....	....	....	....	....	....	....	....	....	....	T.	.70	....	....	....	2.23
Neosho	....do	....	....	....	T.	....	.16	....	....	....	.05	T.	....	....	1.09	.05	....	....	....	....	....	....	....	....	....	....	....	.02	.76	....	....	.19	2.32
Nevada	Osage	....	....	.05	.02	....	.04	....	....	....	.12	....	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	.61	....	....	.20	1.14
Osceola[2]	....do	....	....	....	.05	....	....	.20	....	....	....	.05	....	....	....	.25	....	....	....	....	....	....	....	....	....	....	....	....	....	.60	....	....	1.15
Ozark Beach[2]	White	....	....	.02	....	....	....	.32	....	....	....	....	....	....	....	.85	....	....	....	....	....	....	....	....	....	....	....	....	....	.84	....	....	2.03
Pleasant Hill[2]	Osage	....	....	T.	T.	T.	....	.10	....	....	....	.03	....	....	.01	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	.35	....	.37	0.96
St. Thomas (near)[2]	....do.	....	....	....	....	.47	....	.08	....	....	....	.14	....	....	....	.28	....	....	....	....	....	....	....	....	....	....	....	....	....	.45	....	....	1.42
Sedalia	Missouri	....	....	....	.08	....	.08	....	....	....	....	.13	....	....	.23	....	....	....	....	....	....	....	....	....	....	....	....	....	.28	.58	....	.09	1.47
Seligman	Neosho	....	....	....	....	....	.69	....	....	....	.02	....	....	....	.80	....	....	....	....	....	....	....	....	....	....	....	....	T.	.76	....	....	.10	2.37
Seymour (near)	White	....	....	....	....	....	.55	.15	....	....	....	....	....	....	.62	.09	....	....	....	....	....	....	....	....	....	....	....	.12	.49	.05	....	....	2.07
Springfield[1]‡	....do	....	....	T.	.09	....	.64	....	....	....	.01	T.	....	....	.64	....	....	....	....	....	....	....	....	....	....	....	....	.10	.58	....	....	.08	2.14
Stover[2]	Missouri	....	....	....	.20	....	....	.21	....	....	....	.26	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.78	....	....	1.45
Sweet Springs	....do	....	....	....	.21	....	.19	....	....	....	....	.21	....	....	.98	....	....	....	....	....	....	....	....	....	....	....	....	....	*	.30	....	.16	2.05
Versailles	Osage	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Warrensburg	Missouri	....	....	....	T.	....	.07	....	....	....	T.	.02	....	....	.52	....	....	....	....	....	....	....	....	T.	....	....	....	....	.48	....	....	.15	1.24
Warsaw ....(A)	Osage	....	....	....	.09	....	.31	....	....	....	.05	....	....	....	.15	....	....	....	....	....	....	....	....	....	....	....	....	T.	.39	....	....	.36	1.35
Waverly[2]	Missouri	....	....	....	.17	T.	....	.15	....	....	....	.20	....	....	.30	.65	....	....	....	....	....	....	....	....	....	....	....	....	....	.33	....	....	1.80

Continued on next page

Daily Precipitation for October 1940—Continued from preceding page

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southeastern Division																																	
Advance[4]	St. Francis				T.		.23					T.			.12	.11													T.	T.			0.46
Alton (near)	Black							.70							.17																		0.87
Annapolis	St. Francis							.53							.36	.15																.10	1.14
Arcadia[2]	do				.01			67				.02				.88														.01			1.59
Belleview	Meramec						*	1.33							.48	.17																T.	‖1.98
Birch Tree(near)	Black							.78							.33	.24														.04			1.39
Bragg City[2]	St. Francis							.50									.50													.10			1.10
Campbell	do							.13								.27														.02			0.42
Cape Girardeau[2]	Mississippi							.05				T.				.11																	0.16
Caruthersville[2]	do							.42				T.				.47														.20	.05		1.14
Centerville[2]	Black							.70				.07				.71														.05			1.53
Crystal City	Mississippi				.12			.66							.69	.12																.02	1.61
Cuba[2]	Meramec							1.19								.74														.19			2.12
Dexter[2]	St. Francis							.18								.29														T.			0.47
Doniphan	Black							.40								.28														.28		T.	0.96
Farmington	St. Francis				.04		.84	1.13							.29	.17													T.			.15	2.62
Fisk[2]	do							.23								.12														.01			0.36
Fredericktown[2]	do							.60								.56														T.			1.16
Goodland	Black							1.35				.03			*	.74													.02				2.14
Greenville	St. Francis							.57																					T.	T.		T.	0.57
Jackson	Mississippi							.68								.45																	1.13
Jerome[2]	Gasconade					.20		.90								.50														.13			1.73
Koshkonong	Black							.95			T.				.06	.11													.03				1.15
Leeper[2]	do							.82								.20																	1.02
Licking (near)	Gasconade			T.	T.		.44	.31				T.			.61	.13												.07	*	.08		.08	1.72
Marble Hill	Mississippi							.44								.20																	0.64
Meramec Park[2]	Meramec					.02		1.23								.87																	2.12
Morehouse	Mississippi							.15								.40																	0.55
New Madrid[2]	do							.31				T.				.34														T.	T.		0.65
Owensville[2]	Gasconade							.75								.47														.24			1.46
Pacific[2]	Meramec							.70																									0.70
Parma[2]	St. Francis							.10								.26														T.			0.36
Poplar Bluff[2] ....(A)	Black							.38								.19														.02			0.59
Richwoods[2]	Meramec				.14			.30				T.				.80																	1.24
Rolla[4]	do				.10		1.30				.01	.10			.23													.02	.15			.16	2.07
St. Louis:																																	
City Office[1]‡	Mississippi				.24	T.	.89				T.	.01			.28									T.				T.	T.			.02	1.44
Airport[4]‡	Missouri				.42		1.65					.04			.28									T.					T.	T		.02	2.41
St. Louis Univ.....[3]‡	Mississippi				.20	T.	.89					.02			.23																	.01	1.35
Washington Univ.[2]‡	do					.30		1.61				.02				.38																	2.31
Salem	Meramec						*	1.13							*	1.20														.04		.18	2.55
Sikeston[2]	Mississippi							.13								.43																	0.56
Union	Meramec				.33		.33	.33				.03			.25	.07									T.								1.34
Valley Park[2]	do					.30		.95				.04				.45														T.			1.74
Van Buren	Black							.51							*	.17																	0.68
Wappapello Dam[2]	St. Francis							.32				T.				.30																	0.62
West Plains[4]	Black				T.	T.	.51				T.	.01			.30													T.	.13			T.	0.95
Williamsville[2]	do							.37				.02				.30														.03			0.72
Willow Sprgs. (near)[2]	White							1.03								1.64													.08	.22			2.97
Zalma(near)[2]	Mississippi							.23				T.				.21														T.			0.44
Cairo, Ill.[1]‡	do				T.		.10	.02				T.			.03	.16														T.		.42	0.73

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Steffenville, Tarkio, Versailles, Wappapello Dam, Warsaw, and Washington University(St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for October 1940

(See precipitation data in daily precipitation table)

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly
Lakeside (Osage Dam)	Evaporation	.152	.108	.138	.179	.104	.199	.126	.155	.184	.064	.089	.118	.140	.183	.074	.119	.085	.140	.119	.156	.119	.135	.181	.148	.143	.145	.108	.067	.063	.128	.114	3.983
	Mean temperature	60	62	65	70	72	72	61	58	61	61	66	66	69	67	54	50	55	57	61	58	65	67	69	68	68	66	65	68	63	56	50	63.0
	Wind movement	18	12	11	48	21	71	113	42	10	25	32	5	35	44	103	37	17	29	34	23	24	27	33	30	15	39	13	50	56	28	22	1,073
St. Louis (Washington University)	Evaporation	.154	.133	.102	.147	.000	.145	.105	.290	.238	.105	.108	.090	.122	.130	.087	.115	.071	.131	.093	.147	.077	.113	.128	.117	.118	.124	.109	.117	.162	.152	.103	3.833
	Mean temperature	60	60	64	62	74	76	59	56	58	62	67	66	72	70	52	51	55	52	62	54	58	68	70	72	72	70	68	71	65	56	54	63.2
	Wind movement	27	20	10	24	18	32	69	36	22	14	23	18	20	19	98	50	15	42	28	53	19	31	17	32	22	18	12	23	75	31	17	935

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports respectively. * Included in next measurement.

Continued from page 48

Hail.—Light, on 6th at Linneus, Mount Vernon, and in St. Louis County.

Halos.—Solar, 1st, 3d, 15th, 18th, 19th, 31st; lunar, 9th, 18th, 19th, 23d.

Thunderstorms.—Local, 3d, 5th, 10th, 14th, 28th, 29th, 30th, 31st; more or less general, 4th, 6th.

Windstorms.—No damaging winds reported.

ERRATA

December 1939, page 60: Snowfall at Warsaw should be 3.7.

Year 1939, page 67: Snowfall at Warsaw for December should be 3.7, annual should be 16.3.

September 1940, page 44: Mean temperature at Advance and Appleton City should be 67.8 and 68.2 respectively; temperature departure at Appleton City should be − 2.2; greatest precipitation in twenty-four hours at Caruthersville and Grant City should be 0.72 and 0.55 respectively.

Daily Temperatures for October 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	78	80	84	79	87	74	65	75	79	74	73	74	84	62	62	68	68	68	78	72	80	84	74	87	88	86	85	75	66	76	56	75.5
	Minimum	46	49	47	56	62	62	50	41	41	47	51	50	51	56	40	35	35	42	41	41	40	49	51	54	52	55	54	54	49	40	40	47.8
Chillicothe §§	Maximum	79	81	86	83	90	70	68	51	81	75	78	87	87	63	63	70	70	80	79	79	89	84	77	85	84	86	79	68	67	77	69	77.0
	Minimum	52	51	58	60	51	62	47	37	45	49	54	52	52	55	39	35	37	42	45	38	45	51	54	52	55	58	56	63	46	42	42	49.2
Columbia	Maximum	76	79	82	75	90	78	66	73	79	76	75	84	87	70	61	66	69	70	78	71	84	86	84	86	86	85	82	79	66	74	65	76.8
	Minimum	51	44	60	61	66	52	45	39	50	55	53	49	54	46	41	33	40	39	47	41	51	56	60	65	62	64	58	60	49	40	48	50.8
Fayette	Maximum	78	79	82	77	88	76	66	72	79	75	75	83	86	70	61	66	67	68	80	73	82	84	77	84	85	83	81	71	64	72	63	75.7
	Minimum	47	44	55	59	62	65	48	38	44	49	57	48	55	50	39	33	41	39	45	40	46	50	55	50	58	53	51	59	42	37	44	48.5
Grant City	Maximum	75	79	81	87	83	73	70	75	81	70	79	89	82	69	64	73	70	72	78	80	85	85	75	79	87	84	81	70	65	75	60	76.6
	Minimum	48	51	58	60	41	56	42	36	45	52	42	49	51	50	37	36	41	43	45	35	47	53	63	51	63	54	55	58	41	38	49	47.7
Hannibal	Maximum	76	77	80	68	86	78	65	67	72	78	73	81	79	69	58	64	65	65	75	66	71	83	75	84	85	83	82	80	64	72	65	73.7
	Minimum	47	47	51	57	61	55	50	44	42	51	57	52	55	46	41	37	47	41	46	43	45	50	59	54	61	59	60	61	49	43	46	50.2
Kansas City Airport	Maximum	76	80	80	82	89	74	69	77	82	70	80	87	87	72	62	70	69	80	80	79	89	84	77	85	85	83	79	68	68	75	63	77.5
	Minimum	49	55	62	65	61	54	48	42	50	61	59	58	60	46	41	35	46	45	52	44	57	61	61	56	61	61	61	56	47	43	50	53.3
Kirksville	Maximum	78	79	82	75	85	71	66	70	76	73	76	83	78	75	60	65	65	65	76	70	72	82	74	83	85	84	81	75	63	72	73	74.5
	Minimum	45	44	54	60	53	57	46	43	42	47	55	52	53	50	39	34	47	40	43	39	43	47	59	50	60	54	52	59	47	40	42	48.3
Lawson	Maximum	74	78	81	81	88	77	67	75	82	72	77	85	86	74	60	69	68	74	78	76	89	83	74	85	85	83	79	70	64	74	60	76.4
	Minimum	49	52	57	61	58	57	45	40	47	55	56	52	54	50	37	39	44	43	47	40	52	56	60	55	59	57	56	58	42	44	48	50.6
Louisiana	Maximum	76	78	78	78	86	83	67	66	70	75	80	83	85	75	60	65	73	65	70	78	75	85	80	85	89	85	87	83	75	70	68	76.5
	Minimum	35	31	38	40	60	60	53	38	33	41	45	45	54	53	43	28	40	33	40	35	40	48	58	60	60	50	50	60	50	32	38	45.1
Macon §§	Maximum	78	80	83	76	85	74	67	72	77	75	76	82	82	61	61	66	62	67	77	70	75	81	71	83	85	83	81	73	65	72	64	74.4
	Minimum	45	39	50	59	59	63	46	41	40	46	56	52	52	60	39	34	37	39	42	39	44	48	57	51	53	57	51	58	47	41	39	47.9
Maryville	Maximum	74	77	79	84	81	79	66	72	78	69	79	88	81	78	62	73	68	71	79	80	82	85	75	87	88	85	79	69	63	73	62	76.4
	Minimum	50	55	59	63	48	60	43	42	47	54	44	48	53	50	35	36	42	45	50	42	47	52	55	53	53	53	53	58	39	40	50	49.0
Mexico §§	Maximum	78	80	83	75	89	81	67	73	79	78	75	81	88	68	60	68	68	69	78	72	80	86	82	87	88	87	84	82	68	75	67	77.4
	Minimum	42	39	50	57	56	62	49	41	42	49	54	49	55	58	39	30	31	35	42	38	47	50	58	51	53	57	53	58	49	38	42	47.6
Moberly	Maximum	77	80	83	79	87	81	66	78	79	76	75	82	85	79	62	65	67	68	78	79	79	85	75	84	86	84	83	79	65	72	63	76.9
	Minimum	44	43	55	59	60	52	48	43	47	50	54	49	53	49	40	35	46	40	37	42	47	52	57	51	55	54	52	57	48	40	41	48.5
Oregon	Maximum	72	76	79	86	85	80	69	75	78	71	81	88	87	78	63	75	68	76	69	83	87	85	79	88	88	85	78	70	65	75	67	77.6
	Minimum	52	54	59	65	59	55	43	42	50	58	45	52	53	50	34	40	44	46	51	43	48	60	53	61	59	58	60	57	41	47	49	51.2
St. Charles §§	Maximum	77	79	82	69	91	86	69	73	75	77	78	84	89	79	62	67	69	67	78	68	72	87	88	88	89	87	86	82	70	71	68	77.7
	Minimum	44	41	48	60	59	60	52	40	41	47	58	51	57	60	43	35	43	38	46	42	45	53	54	55	58	54	52	61	59	39	40	49.6
St. Joseph	Maximum	74	76	80	85	88	72	68	75	82	70	80	87	87	71	63	71	71	75	79	80	85	84	71	86	85	83	77	67	65	74	62	76.5
	Minimum	49	55	61	62	51	54	47	41	51	58	52	56	55	45	39	42	49	47	53	44	50	62	59	56	63	63	61	53	46	48	49	52.3
Trenton	Maximum	78	80	84	85	85	76	69	73	79	75	79	86	81	75	63	70	68	69	78	75	77	84	76	85	87	85	81	76	65	75	63	76.8
	Minimum	43	45	59	60	47	60	46	37	42	48	51	52	54	52	37	33	45	39	45	39	42	47	48	51	57	58	52	53	45	37	45	47.5
Unionville §§	Maximum	78	81	82	76	85	68	69	77	78	71	85	88	80	65	63	68	68	67	79	74	74	89	82	85	89	87	88	82	66	75	60	76.7
	Minimum	43	46	47	56	47	50	43	39	41	43	50	53	48	49	35	31	35	38	40	36	37	44	51	50	52	55	53	54	44	40	41	45.1
Warrenton	Maximum	77	81	82	72	90	85	67	74	78	78	79	85	88	81	64	67	71	69	80	74	78	88	87	86	86	88	84	83	77	76	66	78.7
	Minimum	42	46	51	58	60	58	50	42	42	49	57	53	57	58	38	32	46	39	50	38	45	49	57	55	61	58	55	59	53	53	41	50.1
Keokuk, Iowa	Maximum	74	77	79	68	85	74	64	65	72	76	68	82	76	68	57	63	64	61	74	65	70	83	73	82	85	84	82	78	63	70	65	72.5
	Minimum	50	48	56	57	63	57	51	45	47	54	58	56	55	44	41	38	47	42	46	45	48	51	57	53	62	57	57	62	48	45	46	51.2
Southwestern Division																																	
Clinton	Maximum	79	82	83	86	90	74	70	80	86	68	79	86	87	71	64	70	72	84	84	79	88	86	90	87	86	85	82	72	70	78	61	79.3
	Minimum	47	52	54	63	62	60	46	40	47	55	55	48	55	49	39	34	40	40	47	39	50	51	56	56	56	52	54	58	43	40	49	49.6
Eldon §§	Maximum	79	80	82	81	88	78	68	76	82	73	78	84	88	73	64	68	72	77	82	75	87	87	87	87	86	85	84	79	70	75	61	78.6
	Minimum	42	42	45	47	51	51	48	41	43	43	51	52	52	60	39	33	33	38	37	44	44	47	52	57	57	56	54	55	51	42	41	46.7
Harrisonville §§	Maximum	76	80	81	84	88	74	72	80	82	66	81	87	88	72	66	72	72	80	85	81	90	84	86	87	86	85	80	66	70	75	60	78.6
	Minimum	50	54	55	61	62	64	44	44	50	53	54	50	56	62	37	37	44	46	50	44	50	54	57	50	60	54	56	52	43	46	48	51.2
Jefferson City §§	Maximum	78	82	84	79	88	81	70	75	80	77	78	81	87	75	65	68	71	71	81	75	85	86	86	88	87	86	83	81	69	75	62	78.6
	Minimum	41	42	42	51	59	62	47	39	40	48	52	48	52	54	38	30	33	35	37	40	43	52	56	55	55	53	52	53	47	37	37	46.1
Joplin	Maximum	74	79	79	82	85	74	68	77	80	64	77	82	82	74	62	67	71	79	84	78	82	81	83	82	81	80	74	70	69	75	58	75.9
	Minimum	53	55	59	69	69	56	49	48	54	60	60	56	64	51	42	41	50	49	58	52	59	58	66	63	61	58	60	60	51	48	52	55.9
Lamar §§	Maximum	83	84	85	87	90	75	73	83	83	65	77	87	87	72	68	73	76	84	88	82	87	87	90	89	87	85	78	70	72	77	55	80.0
	Minimum	45	46	51	55	62	63	45	40	40	47	53	48	49	54	38	33	33	41	45	41	42	49	49	54	53	49	49	56	44	39	40	46.9
Lebanon	Maximum	77	80	78	81	87	82	66	76	80	69	76	84	85	77	62	67	71	75	81	75	85	85	84	85	85	84	79	75	68	74	61	77.2
	Minimum	42	44	53	58	61	57	46	39	42	52	56	50	59	49	39	31	42	35	53	39	51	52	56	57	56	54	56	56	49	39	40	48.8
Lexington §§	Maximum	77	82	82	84	90	75	69	77	82	72	78	86	88	63	64	71	72	79	81	77	86	85	79	86	87	85	82	71	70	77	55	77.8
	Minimum	48	49	54	60	65	66	49	44	48	52	57	56	58	60	40	39	41	42	46	45	47	53	61	55	60	62	58	62	46	46	48	52.2
Marshall	Maximum	78	82	81	80	89	84	65	71	79	75	73	81	87	78	58	61	66	69	73	79	81	83	78	85	84	85	80	75	73	72	70	76.6
	Minimum	46	50	53	60	64	59	47	41	41	53	57	52	57	51	39	38	39	40	44	38	40	49	48	50	55	58	58	40	46	42	46	48.4
Mountain Grove	Maximum	77	78	78	78	86	84	65	75	77	71	78	83	84	78	65	67	76	70	81	76	78	81	82	84	83	82	78	73	71	72	64	76.6
	Minimum	48	45	53	59	60	59	48	42	51	52	56	53	59	55	40	32	59	39	54	42	48	54	55	58	55	57	55	58	53	44	49	51.4
Neosho	Maximum	80	78	78	84	91	88	69	79	77	77	79	81	81	81	64	68	72	77	84	82	83	80	81	81	81	80	77	73	67	72	71	77.9
	Minimum	44	46	52	64	59	62	46	38	44	50	54	46	54	47	41	32	37	40	44	41	47	50	53	54	53	49	52	63	42	37	46	48.0
Nevada	Maximum	79	83	84	85	89	78	72	84	83	66	79	86	88	78	68	72	76	84	85	83	88	85	89	87	87	85	78	70	73	77	62	80.1
	Minimum	46	52	56	63	59	59	47	39	47	56	56	50	56	51	39	31	40	41	47	40	49	50	56	55	55	51	53	57	41	41	49	49.4
Sedalia	Maximum	78	80	82	84	88	83	67	74	82	75	76	83	86	77	62	66	68	77	79	73	85	84	85	85	85	83	85	76	65	74	67	77.9
	Minimum	51	51	61	63	63	60	46	41	48	56	57	51	59	51	37	38	44	43	50	40	55	54	59	57	59	55	58	59	46	45	51	51.9
Springfield	Maximum	74	76	77	82	84	79	65	76	76	68	76	81	82	76	61	65	70	76	81	74	81	81	82	81	81	80	75	70	67	69	58	75.0
	Minimum	47	50	54	62	61	54	47	41	48	53	56	52	56	47	39	34	44	42	54	43	50	53	55	57	56	54	56	57	47	43	48	50.3
Warrensburg	Maximum	75	80	83	84	89	77	68	75	81	70	79	79	87	78	62	68	70	81	81	75	87	83	84	85	84	82	80	73	67	73	66	77.6
	Minimum	46	51	59	62	63	58	48	42	43	58	56	56	58	52	40	37	46	45	51	43	53	54	58	60	58	56	57	58	45	45	48	51.8
Southeastern Division																																	
Arcadia §§	Maximum	75	75	81	81	91	86	71	75	78	77	79	86	90	84	66	70	75	70	84	73	76	85	85	86	89	88	84	81	78	77	68	79.5
	Minimum	39	37	39	42	60	61	51	35	35	37	42	45	52	53	43	31	34	31	35	38	38	41	51	56	56	50	46	51	59	33	32	43.6
Birch Tree (near)	Maximum	75	76	76	77	88	86	69	72	77	74	79	82	85	85	64	67	73	70	83	74	77	83	83	84	86	85	84	83	72	74	67	77.7
	Minimum	48	41	42	54	60	59	49	37	42	42	53	42	45	53	43	34	36	33	46	42	41	43	45	46	53	50	51	54	52	37	48	45.8
Caruthersville §§	Maximum	77	79	83	84	87	86	71	75	76	79	78	85	89	87	66	66	78	72	81	72	74	84	81	83	85	86	85	85	80	75	70	79.4
	Minimum	50	47	47	50	54	60	54	41	43	45	49	55	56	59	50	43	38	38	44	46	46	47	52	53	53	53	53	58	60	46	48	49.6
Crystal City	Maximum	79	78	82	72	91	89	70	73	75	78	79	83	89	84	63	65	71	68	81	67	73	84	86	87	88	86	84	83	75	71	68	78.1
	Minimum	39	35	36	48	56	57	42	37	33	48	55	46	49	51	42	30	34	31	44	36	37	44	47	52	52	48	45	55	43	30	31	43.0
Doniphan	Maximum	78	80	82	84	90	86	83	74	79	79	81	87	89	88	70	69	82	72	88	75	77	84	85	86	87	88	86	84	74	73	65	80.8
	Minimum	41	38	40	46	55	52	49	35	36	49	56	47	48	50	49	33	33	31	42	39	37	40	43	44	46	46	44	51	52	33	35	43.2
Farmington	Maximum	74	79	83	74	90	86	68	71	76	77	78	80	87	83	66	62	71	68	79	70	73	81	81	84	84	84	81	82	75	71	67	76.9
	Minimum	44	49	41	54	64	63	54	39	38	44	57	59	56	59	42	39	37	34	42	38	42	49	59	62	54	50	49	59	58	36	38	48.7
Jackson	Maximum	75	79	81	77	88	85	80	72	75	76	77	84	87	85	69	64	73	68	83	77	73	82	81	83	86	87	83	83	77	74	75	78.7
	Minimum	43	41	41	50	62	61	54	36	37	39	56	51	50	53	48	37	34	32	45	40	38	45	49	51	51	49	46	58	64	35	35	46.2
Poplar Bluff	Maximum	81	80	82	79	90	87	80	78	78	77	80	86	90	86	72	71	83	70	89	77	76	84	84	85	86	89	85	84	84	75	68	81.2
	Minimum	47	48	45	47	59	53	53	39	40	49	55	50	50	52	49	38	38	35	45	45	41	47	46	47	48	49	46	54	45	37	39	46.3
Rolla	Maximum	75	78	79	75	89	83	65	72	78	73	77	81	85	75	61	64	70	71	80	70	80	84	84	84	84	83	82	80	68	74	60	76.3
	Minimum	48	50	53	64	64	55	48	44	46	50	56	56	62	47	40	38	47	41	54	44	48	56	60	59	62	58	57	60	50	45	48	51.9
St. Louis	Maximum	76	78	81	68	90	86	65	70	73	77	75	82	87	79	60	64	67	65	77	65	70	84	85	85	85	85	83	81	72	72	68	76.0
	Minimum	52	53	57	60	66	60	54	49	52	54	60	57	64	49	45	43	48	48	53	48	48	54	62	65	66	63	64	65	56	50	50	55.3
Salem	Maximum	75	74	77	75	85	83	65	68	74	70	75	77	84	80	60	62	68	72	76	79	79	81	81	82	82	81	79	80	70	69	59	74.9
	Minimum	37	40	61	61	61	49	37	38	45	54	50	55	58	40	31	39	44	34	50	49	49	51	54	54	57	51	53	60	45	34	39	47.7
Sikeston §§	Maximum	78	82	86	82	90	88	82	78	81	82	81	92	93	88	65	67	79	70	86	70	75	85	83	85	87	88	86	84	81	72	71	81.2
	Minimum	49	45	45	52	59	59	50	39	39	44	51	52	56	57	49	37	35	36	40	44	44	47	51	52	53	53	52	61	63	40	42	48.3
Union	Maximum	78	84	84	75	93	89	70	77	80	79	83	87	90	80	65	69	73	72	82	75	81	89	89	90	91	90	85	85	78	79	69	81.0
	Minimum	38	35	43	51	58	58	51	36	35	42	56	44	49	51	40	30	35	31	48	36	38	42	49	49	50	45	44	42	55	31	31	43.3
West Plains	Maximum	76	78	79	84	88	86	68	76	77	75	79	83	85	85	64	68	77	73	85	76	78	83	83	84	84	84	81	78	74	73	66	78.4
	Minimum	40	38	41	48	52	56	42	36	39	43	55	48	49	50	38	32	36	31	48	41	38	41	43	44	46	46	44	52	42	33	35	42.8
Cairo, Ill.	Maximum	72	76	80	80	85	84	68	70	72	75	75	83	86	84	63	63	73	67	81	66	72	81	79	82	83	84	82	82	76	70	70	76.3
	Minimum	54	52	53	59	64	59	54	46	49	48	60	57	60	53	50	44	41	44	54	49	45	53	58	56	58	60	58	66	56	49	46	53.4

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[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

Vol. XLIV — November 1940 — No. 11

Price: 5 Cents a Copy; 25 Cents a Year

GENERAL SUMMARY

November was a cold month with more than normal precipitation. Unusually mild conditions prevailed until the 11th, when a severe cold wave swept the State, and an unprecedented period of cold weather, for so early in the season, continued until the 17th.

Temperatures from the 12th to 16th approximated the usual mid-January average, averaging 20° to 25° below normal during this period. Minima readings ranged from 2° below zero in the extreme Northern portion to 13° above in the Southeastern portion of the State. These extremely low temperatures were injurious to trees and shrubs in the extreme northern portion, which where not in an entirely dormant state, and there was some freezing back of wheat quite generally, but damage was not thought to be serious.

Precipitation was more than adequate for current needs and the severe deficiency in sub-soil moisture was partially restored and scant water supplies replenished. The moisture was well distributed at frequent intervals and most of it was absorbed by the ground. The Southeastern Division received an average of 4.29 inches and the Southwestern and Northern Divisions 3.31 inches and 2.77 inches respectively, all above the normal for the respective Divisions. Snowfall ranged from none in the Southern and Eastern portions to as much as six inches in Central and Northern portions of the State. The principal fall was on the 25-26th.

Farm activities were greatly hampered by the severe cold period, the frequent precipitation, and the alternate freezing and thawing of the ground, and very little was accomplished after the 11th, although good progress was made during the first ten days of month. Some minor damage was done by the generally high winds of the 11th, which ushered in the severe cold wave. The growing season was finally terminated on the 6th and 7th generally, where killing frost had not occurred earlier, mostly in the Southern portions of State. The month closed mild and pleasant.—M. R. W.

TEMPERATURE

The monthly mean for the State, 85 stations reporting, was 42.2°, or 2.1° below normal. The highest monthly mean was 48.4° at Campbell and Caruthersville, and the lowest monthly mean was 35.9° at Tarkio. The highest recorded was 83° at Marble Hill on the 2d, and the lowest was 2° below zero at Tarkio on the 14th and at Unionville on the 15th. The greatest daily range was 58° at Unionville on the 16th.

PRECIPITATION

The average for the State, 145 stations reporting, was 3.46 inches, or 0.77 inch more than normal. The greatest local monthly amount was 6.75 inches at Doniphan, and the least local monthly amount was 1.28 inches at Stover. The greatest amount in any twenty-four hours was 2.88 inches at Doniphan on the 23d. The average number of days with 0.01 inch or more was 9.

Snowfall averaged 1.2 inches, or 0.2 inch more than normal. The greatest local monthly fall was 6.0 inches at Linneus and Sweet Springs.

MISCELLANEOUS PHENOMENA

Fog.—Dense, 7th, 9th, 10th, 22d, 24th, 25th.

Frosts.—Light, 2d, 6th; heavy, 6th, 7th, 8th; killing, 6th, 7th, 12th.

Glaze.—9th.

(Continued on page 56)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.16*	30.68*	14	29.24*	11	8.4	30	sw.	11	80*	60*	65*	49
Kan. C. Airport	30.15	30.75	11	29.30	11	11.5	34	w.	11	78	64	64	51
St. Joseph	30.15*	30.74*	14	29.35*	11	9.8	38	nw.	11	88*	66*	76*	47
St. Louis	30.16*	30.63*	14	29.28*	11	12.5	38	sw.	11	74	56	56	53
Springfield	30.16	30.62	14	29.41	11	11.8	43	sw.	11	87	59	68	51
Cairo, Ill.	30.18	30.59	14	29.45	11	9.1	37	sw.	11	78	57	..	57
Keokuk, Iowa	30.15§	30.66	14	29.15	11	8.9	41	w.	11	75	56	..	46

* Data for Airport Station. § 7:30 A. M.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	41.6	87	15	3.39	2.57	2.95	4.64	....	7	..	..	..
1889	39.9	76	6	3.52	3.16	3.12	4.29	0.6	7	..	..	..
1890	46.5	80	14	2.38	1.96	2.48	2.70	T.	5	..	..	..
1891	39.6	82	− 7	4.14	2.67	3.24	6.51	....	8	..	..	..
1892	40.1	79	9	2.75	2.17	2.14	3.95	1.0	6	11	7	12
1893	40.9	79	− 1	1.70	1.32	1.60	2.17	0.3	4	14	9	7
1894	41.0	80	3	1.56	1.59	1.71	1.39	T.	4	15	9	6
1895	41.6	82	− 4	3.60	2.62	3.42	4.76	3.2	8	10	7	13
1896	42.3	82	− 5	2.43	1.47	2.30	3.53	0.2	6	11	7	12
1897	43.4	82	− 3	2.63	1.92	2.02	3.96	T.	6	13	8	9
1898	39.9	79	− 8	2.32	2.03	2.43	2.50	2.3	6	14	8	8
1899	49.5	82	16	2.02	1.38	2.00	2.67	0.2	7	11	9	10
1900	43.7	84	7	2.99	1.52	2.71	4.75	0.2	6	15	7	8
1901	43.6	84	9	1.48	0.99	1.63	1.82	0.3	4	17	7	6
1902	50.1	85	18	3.73	3.05	3.64	4.51	0.4	9	8	9	13
1903	40.9	79	2	1.27	1.24	1.09	1.48	1.1	5	13	8	9
1904	46.3	83	11	0.22	0.18	0.24	0.24	T.	2	21	5	4
1905	45.8	83	2	1.87	2.36	1.35	1.89	T.	6	18	6	6
1906	42.5	88	− 3	3.56	2.55	2.68	5.44	5.0	8	12	6	12
1907	43.8	88	11	2.24	1.39	1.91	3.43	T.	4	19	4	7
1908	47.6	87	9	3.90	2.70	4.67	4.33	0.2	8	15	7	8
1909	53.6	87	11	4.32	3.92	4.98	4.05	0.4	8	12	7	11
1910	42.0	83	11	0.35	0.31	0.22	0.52	0.1	3	15	8	7
1911	39.1	83	− 3	2.63	2.07	2.78	3.04	1.1	7	13	6	11
1912	45.9	85	12	1.50	1.46	1.31	1.73	0.1	3	20	5	5
1913	51.7	80	11	2 71	2.61	2.69	2.83	T.	7	10	8	12
1914	48.6	89	2	0.69	0.36	0.64	1.08	0.1	3	19	6	5
1915	49.5	87	12	2.83	2.30	2.78	3.42	0.1	5	16	7	7
1916	46.9	85	3	2.46	2.25	2.63	2.51	0.1	4	19	4	7
1917	46.1	80	8	1.23	0.10	1.61	1.98	T.	3	14	5	11
1918	44.9	85	12	3.26	2.85	4.14	2.78	1.2	6	15	4	11
1919	42.2	78	2	3.57	3.06	3.19	4.45	1.0	6	15	5	10
1920	40.9	82	6	1.06	1.64	0.82	0.73	T.	6	12	6	12
1921	45.6	84	10	3.11	0.89	1.59	6.85	0.4	5	13	7	10
1922	47.8	84	15	3.68	3.70	3.97	3.38	T.	7	16	6	8
1923	45.1	79	14	2.25	1.39	2.79	2.57	3.0	6	15	6	9
1924	46.7	88	4	1.78	1.16	2.08	2.09	0.5	4	15	8	7
1925	42.8	80	− 2	3.05	1.74	2.78	4.63	2.0	6	16	6	8
1926	39.6	78	0	3.01	2.13	2.86	4.04	4.3	7	11	7	12
1927	46.8	89	12	3.66	2.07	3.78	5.13	0.9	7	6	9	15
1928	44.6	79	9	5.02	5.91	4.88	4.26	0.5	10	13	4	13
1929	39.0	78	− 8	1.46	1.40	1.00	1.98	2.1	6	11	8	11
1930	45.8	83	8	2.93	2.94	3.28	2.56	T.	5	18	5	7
1931	52.2	87	17	5.42	5.58	5.32	5.35	1.4	11	10	5	15
1932	39.5	75	− 9	1.87	1.55	2.11	1.95	4.5	5	16	5	9
1933	45.9	83	7	0.93	0.47	0.96	1.37	0.2	4	16	6	8
1934	48.5	84	16	5.71	5.62	5.84	5.67	4.6	10	14	5	11
1935	42.2	82	10	4.16	4.52	4.69	3.28	0.1	10	8	4	18
1936	42.2	79	0	1.89	1.15	2.04	2.49	1.4	3	21	4	5
1937	41.0	90	− 7	1.85	1.58	1.87	2.11	4.1	7	15	6	9
1938	45.9	89	2	4.28	4.01	4.64	4.20	1.3	6	17	5	8
1939	43.5	78	12	2.58	2.36	2.97	2.42	0.0	7	13	6	11
1940	42.2	83	− 2	3.46	2.77	3.31	4.29	1.2	9	12	7	11
....	....	..	....	....	....	....	....	....	..	..	..	..
Period	**44.3**	**90**	**− 9**	**2.69**	**2.20**	**2.64**	**3.22**	**1.0**	**6**	**14**	**6**	**10**

Natural History Library

Climatological Data for November 1940

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	45	39.0	− 3.8	75	2	1	13†	40	47	2.46	+0.42	1.27	1.5	7	11	7	12	nw.	A. S. Cumming
Brunswick	Chariton	652	59	39.2	− 2.4	75	2†	5	15†	50	61	4.65	+2.46	1.60	4.0	11	15	3	12	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	2	39.0	......	74	3	4	15	32	10	2.20	−0.51	0.65	2.0	11	11	4	15	nw.	Lockmaster
Chillicothe	Livingston	779	31	38.8	− 2.5	78	2	0	15	52	34	2.11	−0.01	0.69	4.0	8	13	5	12	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	41	40.0	− 3.4	78	4†	3	13†	44	31	3.01	+1.03	0.66	5.0	10	10	6	14	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	50	41.4	− 2.7	75	3	6	15	37	50	2.49	+0.29	1.41	1.0	9	9	10	11	s.	U. S. Weather Bureau
Conception	Nodaway	980	51	38.5	− 2.9	72	2†	0	13†	35	56	1.90	+0.16	0.60	1.0	8	8	9	13	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	20	39.5	− 2.3	73	2	1	14	44	29	4.09	+2.12	1.30	1.8	8	15	2	13	sw.	Fred L. Stiff
Elsberry	Lincoln	449	9	41.3	− 2.1	79	3	9	15	40	9	2.91	+0.09	1.21	0	6	9	15	6	n.	Ray E. Mills
Fayette	Howard	760	60	40.4	− 1.8	74	2	3	15	36	57	2.73	+0.63	1.15	3.0	9	11	3	16	n.	Irvin E. Schnell
Fulton	Callaway	818	52	39.6	− 4.6	77	3	4	15	42	48	2.57	+0.26	1.15	1.0	10	14	7	9	nw.	Clyde C. Herring
Grant City	Worth	1,134	36	37.4	− 4.5	76	2	− 1	15	38	48	1.52	−0.33	0.40	1.0	7	10	5	15	sw.	Howard Rybolt
Hannibal	Marion	759	48	39.8	− 2.3	75	3	5	13†	37	56	2.51	+0.45	1.28	1.1	8	8	8	14	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	51	40.8	− 2.9	77	2	8	15	38	51	3.95	+2.12	1.60	2.6	11	9	8	13	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	2	40.1	......	75	2	10	13†	38	2	3.31	......	1.45	2.5¶	10	5	14	11	nw.	University of Kansas City
Kidder	Caldwell	1,020	48	38.0	− 3.8	72	2†	2	13†	35	52	4.41	+2.26	1.58	4.0	7	15	2	13	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	51	38.9	− 1.7	73	2	2	15	34	58	3.44	+1.32	0.92	4.0	10	10	7	13	nw.	Howard Coons
Lawson	Ray	1,070	2	39.2	......	73	2	1	13	35	2	4.27	......	1.72	5.9	9	10	9	11	nw.	Elmer E. Lamb
Louisiana	Pike	469	46	41.6	− 2.5	75	2†	6	14	40	59	3.10	+0.64	1.30	0	6	17	2	11	w.	Stark Bro's Nurseries
Macon	Macon	875	41	38.2	− 4.6	73	3	4	13†	48	47	3.24	+1.05	1.23	5.0	8	10	5	15	w.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	50	37.2	− 2.2	73	3	− 1	13†	35	46	1.74	−0.18	0.60	1.0	8	9	4	17	nw.	R. B. Montgomery
Memphis	Scotland	787	1	37.0	......	72	2†	2	13†	52	10	2.11	−0.88	0.44	3.5	9	9	5	16	nw.	John W. Alexander
Mexico	Audrain	800	51	39.7	− 3.2	77	3	4	15	45	62	2.48	+0.25	0.85	1.0	11	15	0	15	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	3	40.4	......	73	3	3	15	38	3	3.33	......	1.24	5.5	7	13	7	10	s.	Beverly Coomes
Oregon	Holt	1,048	84	39.2	− 1.3	73	3	0	14	36	84	2.26	+0.28	0.65	2.0	7	12	9	9	ne.	Miss Mina Wright
St. Charles	St. Charles	520	52	42.5	− 2.8	79	3	10	13†	36	62	2.95	+0.84	1.11	0	9	14	6	10	s.	Martin L. Comann
St. Joseph	Buchanan	957	30	39.3	− 2.2	73	2	5	14	37	68	2.53	+0.95	0.68	3.2	11	9	8	13	nw.	U. S. Weather Bureau
Steffenville	Lewis	650	42	37.2	− 6.3	71	3	3	14	47	47	3.30	+1.11	1.45	4.0	8	9	8	13	s.	Frank Hall
Tarkio	Atchison	916	37	35.9	− 4.2	74	3	− 2	14	38	46	2.44	+0.70	1.17	1.0	5	11	3	16	nw.	Albert Volker
Trenton	Grundy	822	44	39.4	− 2.8	74	2	0	15	37	45	3.07	+0.95	0.95	4.0	10	10	9	11	s.	W. H. Estes
Unionville	Putnam	1,062	47	36.4	− 3.9	72	3†	− 2	15	58	47	2.56	+0.36	0.62	3.0	8	13	3	14	nw	John H. Schick
Warrenton	Warren	816	58	42.7	− 0.5	78	3	6	15	35	50	3.13	+0.51	0.99	T.	9	7	10	13	nw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	68	39.4	− 1.7	73	3	5	13	40	68	1.70	−0.24	0.56	3.8	10	10	6	14	nw	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**39.3**	**− 2.9**	**79**	**3**	**− 2**	**14†**	**58**	..	**2.77**	**+0.57**	**1.72**	**2.5**	**9**	**11**	**6**	**13**	**nw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	36	45.8	− 3.5	76	2	1	13	48	41	5.01	+1.66	1.44	1.2	9	14	6	10	w.	E. S. Taylor
Appleton City	St. Clair	813	45	41.7	− 4.3	78	2	1	15	43	48	2.49	+0.19	1.10	0.8	7	17	1	12	sw.	Rolla Brown
Bolivar	Polk	1,071	37	44.0	− 2.8	77	2	7	15	35	45	2.85	+0.27	1.15	T	7	15	6	9	nw.	Southwest Baptist College
Boonville	Cooper	650	2	39.3	......	74	2†	6	15	42	63	2.50	+0.29	1.15	2.1	11	11	5	14	se	Boonville Water Dept.
Carthage	Jasper	962	6	44.6	......	77	2	6	15	46	16	4.20	......	1.51	T.	10	12	11	7	ne.	Carthage W. and E. Plant
Clinton	Henry	786	47	41.4	− 5.6	78	2	3	15	40	53	3.32	+1.16	1.50	T.	10	4	15	11	sw.	U. S. Weather Bureau
Eldon	Miller	934	45	42.1[c]	− 2.7	79	2	5	15	44	41	2.63	+0.18	0.96	1.0	9	9[c]	10[c]	8[c]	n.	E. H. Shepherd
Harrisonville	Cass	904	62	40.0	− 2.5	78	2	3	13†	48	65	3.36	+1.22	1.18	2.0	8	7	9	14	nw.	John H. Patterson
Jefferson City	Cole	557	50	39.6	− 4.5	79	2	4	15†	49	58	2.53	+0.14	1.18	1.2	9	12	4	14	w.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	18	45.4	− 2.9	74	2	11	13†	35	35	4.05	+1.28	1.05	....	8	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	9	41.8	......	78	2	8	15	41	9	2.73	......	1.25	....	10	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	52	41.5	− 4.8	77	2	3	15†	53	59	3.70	+1.17	1.35	0	9	16	2	12	se.	Jesse A. Mann
Lebanon	Laclede	1,265	52	42.7	− 2.9	73	2	1	15	39	53	2.51	−0.13	0.91	0.5	9	9	10	11	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	55	40.0	− 4.2	77	2	5	15	48	56	3.97	+1.85	1.79	3.5	9	16	2	12	n.	Miss Carrie Loomis
Lockwood	Dade	1,078	34	43.2	− 3.8	77	2	8	15	34	44	3.91	+1.07	1.35	T	9	16	5	9	se.	Hubert A. Nieman
Marshall	Saline	779	53	40.8	− 4.4	77	2	6	14†	44	50	2.91	+0.59	1.14	3.0	8	15	7	8	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	39	44.2	− 1.7	77	2	7	15	36	43	3.40	+0.45	0.98	0	10	9	16	5	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	28	46.2	+ 0.4	80	3	5	15	50	40	4.00	+1.06	1.10	T.	8	9	10	11	nw.	G. H. Boswell
Neosho	Newton	1,011	53	45.1	− 2.2	71	2†	5	15	48	57	5.32	+2.02	1.58	T.	11	13	6	11	sw.	U. S. Fisheries Station
Nevada	Vernon	862	47	43.4	− 1.4	77	2	2	15	46	48	2.53	+0.38	1.14	0.5	7	17	2	11	sw.	Henry Kraft
Ozark Beach	Taney	700	0	44.3	......	81	2	8	15†	54	15	3.78	+1.01	0.96	0	8	12	4	14	......	V. Smith
Sedalia	Pettis	910	27	42.6	− 0.7	75	2	5	15	33	29	2.95	+1.33	1.20	1.0	8	11	8	11	ne.	Dr. J. E. Cannaday
Seligman	Barry	1,542	39	45.4[a]	− 1.9	74	2	5	15	38	37	4.82	+1.73	1.39	0.3	11	14[c]	3[c]	10[c]	se.	Floyd E. Fawver
Seymour(near)	Webster	1,642	34	42.7	− 3.2	75	2	5	15	38	34	3.26	+0.37	1.32	T.	6	12	5	13	se.	A. L. Hailey
Springfield	Greene	1,301	52	43.0	− 2.7	74	2	6	15	37	52	3.07	+0.28	1.02	0.5	11	12	6	12	se.	U. S. Weather Bureau
Warrensburg	Johnson	878	53	42.4	− 2.6	77	2	4	15	35	60	3.26	+1.04	1.53	5.0	8	12	5	13	nw.	E. A. Markey
Warsaw	Benton	687	39	43.4	− 3.8	79	2	3	15	41	45	2.00	−0.64	0.97	T.	6	13	6	11	sw.	Everett Martin
Division means	**and extremes**	.....	..	**42.8**	**− 3.0**	**80**	**3**	**1**	**13†**	**54**	..	**3.31**	**+0.67**	**1.96**	**0.9**	**9**	**12**	**7**	**11**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	3	43.6	......	82	2	12	15	52	3	4.35	......	1.51	0	12	13	5	12	s.	U. S. Weather Bureau
Arcadia	Iron	926	59	43.2	− 0.7	82	2	7	15	46	62	5.13	+2.01	1.65	0	11	13	5	12	......	Arcadia College
Birch Tree(near)	Shannon	1,000	45	44.6	− 2.0	79	2	2	15	46	46	4.88	+1.72	1.55	0	8	19	4	7	n.	V. H. Kirkendall
Campbell	Dunklin	314	14	48.4	+ 0.8	80	2	13	15	41	14	4.38	+0.68	1.24	0	8	18	3	9	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	41	48.4	− 2.0	79	2†	13	15	46	48	2.95	−0.90	0.66	0	7	17	1	12	n.	Victor T. Malloure
Crystal City	Jefferson	420	6	42.2	......	79	2	8	14†	47	6	4.03	......	1.38	0	8	9	6	15	w.	Frank Magre
Doniphan	Ripley	341	36	45.7	− 1.6	82	2	7	15	52	36	6.75	+3.33	2.88	0	9	16	2	12	sw.	Boyce Lackey
Farmington	St. Francois	896	29	45.0	+ 0.2	81	3	10	15	40	43	4.15	+1.33	1.30	T.	8	14	8	8	nw	F. M. Karsch
Goodland	Iron	1,060	47	42.2	− 2.5	78	2	2	15	48	47	5.42	+2.70	1.80	0	9	14	7	9	n.	F. M. Adams
Greenville	Wayne	381	31	44.9	− 0.5	81	2	7	15	51	33	5.15	+1.79	1.63	0	8	14	3	13	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	49	45.0	− 1.6	79	2	13	15	46	50	4.73	+1.35	2.43	0	5	11	7	12	n	L. R. Crites
Koshkonong	Oregon	958	39	45.6[a]	− 3.4	77	2	10	15	36	40	5.10	+1.84	1.62	0	10	10[a]	7[a]	12[a]	ne.	R. M. Hitt
Licking(near)	Texas	1,170	3	42.4	......	78	2	2	15	44	3	3.44	......	1.22	0.4	9	15	5	10	sw.	U. S. Forestry Service
Marble Hill	Bollinger	470	45	45.6	+ 0.4	83	2	10	14†	51	47	5.18	+1.63	1.69	0	6	8	12	10	s.	R. A. DeWitt
Poplar Bluff	Butler	339	35	47.1[a]	− 0.6	81	2	11	15	50	36	4.98	+1.50	1.52	0	7	12	10	8	w.	B. R. Wheetley
Rolla	Phelps	1,202	40	42.6	− 2.4	78	2	5	15	34	56	2.89	+0.21	0.83	1.2	12	7	8	15	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	103	44.2	− 1.2	77	3	13	15	32	103	3.23	+0.40	1.17	T.	9	8	12	10	w.	**Section Center**
St. Louis Airport	St. Louis	556	3	42.2	......	78	3	11	15	34	9	2.94	......	1.38	T.	9	8	8	14	nw	U. S. Weather Bureau
St. Louis University	St. Louis City	578	28	43.8	− 1.9	77	3	12	15	34	28	2.45	−0.09	0.87	T.	9	14	7	9	nw.	St. Louis University
Salem	Dent	1,173	36	42.7	− 3.4	75	2	6	15	35	39	5.16	+2.52	1.75	T.	7	11	7	12	s.	E. E. Martin
Sikeston	Scott	318	33	46.5	− 0.7	81	3	11	15	42	43	5.60	+2.04	1.57	0	9	8	13	9	ne.	Mrs. Hazel P. Young
Union	Franklin	520	2	43.8	......	82	2	8	15	51	23	2.50	−0.25	0.96	0	9	13	3	14	n.	Robert Mueller
Wappapello Dam	Butler	475	1	45.8	......	82	2	10	15	47	1	5.26	......	1.52	0	8	17	4	9	se.	J. E. Harns
West Plains	Howell	1,005	3	43.4	......	78	2	8	15	43	3	5.10	......	1.21	T.	11	8	10	12	s.	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	68	47.2	− 0.1	77	3	16	15	31	69	4.09	+0.41	1.14	0	10	10	5	15	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**44.6**	**− 1.3**	**83**	**2**	**2**	**15**	**52**	..	**4.29**	**+1.07**	**2.88**	**0.1**	**9**	**12**	**7**	**11**	**s.**	
State means	**and extremes**	.....	..	**42.2**	**− 2.1**	**83**	**2**	**− 2**	**14†**	**58**	..	**3.46**	**+0.77**	**2.83**	**1.2**	**9**	**12**	**7**	**11**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for November 1940

Stations	Drainage basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Northern Division																																	
Amity[2]	Grand	.56			.01	T.				.03	T.	.48	.01								.72	.85		.38			.83	.06					3.93
Bethany	do				.07					.29	.47									.57	.70		.07				.29						2.46
Bowling Green[2]	Mississippi	.35	T.									.65									.27	.17		.11	T		.93	.12					2.60
Brunswick[2]	Grand	.08				.05					.24	.10	.02								.65	1.52		.27	.04		1.60	.08					4.65
Canton, Lock No. 20[2]	Mississippi	.10				T.				.10	.12	.20	.03								.42	.23		.25	.01		.65	.09					2.20
Centralia[2]	do.	.17				.03					.10	.25									.26			.29	.23		1.12						2.45
Chillicothe[2] (A)	Grand	.11				.04			T.		.13	.07	T.								.56	.69		.16	T.		.35						2.11
Clifton Hill	Chariton	.07			.02	.02				.15	.02	.33									.51	.66		.58			.62						3.01
Columbia[1]‡	Missouri				T.					.15	.10	.08	T.							.05	.18	.09	T.	.43		.16	1.25	T.					2.49
Conception	do				T.					.35	.05	.38			T.					.17	.43	.37	.01				.11						1.90
Edgerton	Missouri				T.					.14	.08	T								.40	.50	1.30	.16	.48			1.03						4.09
Edina[2]	Mississippi					T.					.09	.29									.49	.39		.10			.94	T					2.30
Elsberry	do					T.				T.	.06	1.21									.18	.22		.09			1.15						2.91
Farber[2]	do	.47				.11					.08	.10									.65	.12		.06	.09		1.08	T.					2.76
Fayette	Missouri				.02					.20		.13								.02	.48	.50	.01	.22			1.15						2.73
Fulton[2]	do	.26				.02					.22	.17	T.								.15	.18		.16	.26		1.10	.05					2.57
Gallatin[2]	Grand	.40				.20					.26	.23	.10								.54	1.10			.40		.55						3.78
Gorin	Mississippi	.12			T					.10		.38									.52	.40					.46						1.98
Grant City	Grand	.04								.34	.36	T.								.12	.18	.40	T.	T.			.08						1.52
Hannibal[3] (A)	Mississippi									.17	.03	.24								.35	.20	.12	T.	.12			1.28						2.51
Hermann[2]	Missouri	.23				.01					.26	.61									.08	.11	.10	.05	.10		.87						2.42
Kahoka[2]	Mississippi	.08				T.				.05	.12	.24	.04							.48	.06	.28					*	.65					2.00
Kansas City Airport[1]‡	Missouri				.12				T.	.10	.23	.02	T.		T.					.52	.86	.44	.04	.02		.59	1.01						3.95
Kansas City University	do	.37			*	.11				.11	.04	T.								T.	*	1.12	*	.11			1.45						3.31
Kidder[2]	Grand	.31				T.				T.	.19	.36									.56	1.58		.63			.78						4.41
King City	Missouri				T.					.32	.17	.18								.51		.43		.06			.46						2.16
Kirksville	Mississippi	.45			.05	.01				.15	.01	.33			T.					T.	.50	.88		.14			.92						3.44
LaBelle[2]	do	.14									.19	.32									.55	.39		.33	T.		.94	.12					2.98
Lawson	Missouri	.05			.04					.24	.02	.23									.48	1.43	T.	.06			1.72						4.27
Linneus[2]	Grand	.15				.07				T.	.29	.09	T.								.53	.70		.16			1.12	.19					3.30
Louisiana (A)	Mississippi									.08		.70									.40	.47		.15			1.30						3.10
Lucerne[2]	Grand	.20				.01				.06	.15	.20	T.								.66	.78		.12			.27	T					2.45
Macon[2]	Chariton	.24				T.					.22	.25	T.								.56	.53		.21			1.20	.03					3.24
Madison[2]	Mississippi	.24				T.					.32	T.									.52						1.24	T.					2.32
Maryville	Missouri									.34	.08	.33								.12	.23	.60	T.	.03			.01						1.74
Memphis[2]	Mississippi	.08				.02				T.	.19	.25	T.								.43	.44		.20			*	.50	T.				2.11
Mexico[2]	do	.18				.05					.15	.18	.20								.32	.17		.15	.28		.75	.05					2.48
Milan[2]	Grand	.10				.09					.20	.18									.48	.82	.08	.23			.98	.07					3.23
Moberly	Mississippi				T.					.23	T.	.17								.20	.67	.52		.30			1.24						3.33
Monroe City	do	.29				.04					.36										.61	.19		.11			1.20						2.80
Oregon	Missouri									.44	.13	.26								.12	.40	.65	T.				.26						2.26
Palmyra[2]	Mississippi	.20	T.			T.															.60	.15		.07	.10		1.12						2.24
Paris[2]	do	.31				T.					.19	.23									.48	.18		.10	.11		*	1.24					2.84
Perry[2]	do	.35									.35										.40						*	.85					1.95
Philadelphia[2]	do												T.								.50	.23		.18			1.25	T.					2.16
St. Charles[2]	Missouri	.04				.06					.30	1.11									.07		.14	.15	.03		1.05						2.95
St. Joseph[1]‡	do				T.				.05	.19	.43	.07			T.					.51	.25	.20	.09	.06		.07	.61						2.53
Saverton, Lock No. 22[2]	Mississippi	.24				T.					.14	.36	T.								.50	.62	T.	.02	.05		1.00	.20	T.				3.13
Shelbina	do	.27									.25	.25										.56		.25			.85						2.43
Shelbyville[2]	do										.32	.27									.52	.38		.28			1.05						2.82
Steffenville[2]	do	.25				T.					.20	.25	T.								.53	.32		.30	T.		1.35	.10					3.30
Tarkio	Missouri									1.17		.63								.20	.10	.34											2.44
Trenton	Grand	.05			.13					.22	.11	.03								.44		.81	.11	.22			.95						3.07
Troy[2]	Mississippi	.15	T.			T.					.20	.85									.11	.25		.01	.02		.95	.02					2.56
Unionville[2]	Chariton	.09								T.	.20	.22	T.								.52	.62		.12			.33	.46					2.56
Warrenton	Mississippi	.27				.04				.13	.12	.91	T.								.24	.37		.06			.99						3.13
Keokuk, Iowa[1]‡	do				.02				.01	.06	.02	.26								.24	.17	.25	T.	.11			.56	T.					1.70
Southwestern Division																																	
Altona[2]	Osage					T				*	.07	.05	T.	T.							.60	.76	.13	T			1.20						2.81
Anderson (near)	Neosho					T.				.41	T.	T.	.33	.02								1.44	.74	.84	.08	.05	1.10						5.01
Appleton City.	Osage				.01					.11		T.	T.								.46	.73	.03	.05		T.	1.10						2.49
Bolivar	do				T.					.45	.02	.12	T.							T.	1.15		T	.15	T.	.01	.95						2.85
Boonville[2] (A)	Missouri	.14				.01				.02	.15	.08									.21	.41		.13	.20		1.14	.01					2.50
Buffalo[2]	Osage	.08									.55			.02							.27	.55		.11			.95						2.53
Caplinger Mills	do					.07				.17		.11	T.							.16	.95		.07	.02		.12	.74						2.41
Carthage	Neosho									.35	.03	.27		T.							1.14	.60	.12	.14	.04	.11	1.40						4.20
Clinton[4]	Osage				T.					.13	.05	.04	T							.14	.74	.56	.03	.10		.66	.87						3.32
Concordia[2]	Missouri	.17				.14						.17		T.	T.						.71	.90	T.	.42			1.58	.06					4.15
Eldon[2]	do	.34									.33	.15	T.								.09	.45		.15	.08		.90	.08					2.63
Galena[2]	White	.25				.08				.09	.35	T.									.08	.75		1.47	.12	T.	.34	T.					3.53
Hailey	do									.52		.04			.03						.38		1.96	.36	.73	.33	.27				.01		4.63
Harrisonville[2]	Osage	.17								.05	.06	.05		T.							.57	.97		.31			1.18						3.36
Jefferson City[2]	Missouri	.45				.02					.15	.14										.26		.19	.14		1.06	.12					2.53
Joplin[3]	Neosho									.20	.23										.83	.70	.30	.13		1.05	.61						4.05
Lakeside[2]	Osage	.23				T.				.02	.31	.14	T.	T.							.07	.39		.27	.05		1.21	.04					2.73
Lamar[2]	Neosho	.30								.05	.10	.15									.30	1.00		.35	.10		1.35						3.70
Lebanon	Osage	.09								.20	.02	.19	.04								.38	.29		.39		T.	.91						2.51
Lexington[2]	Missouri	.21				T.				.03	.11	.10									.60	.89		.24			1.71	.08					3.97
Lockwood	Osage									.42		.25	T.								1.35	.51	.03	.27	.02	.02	1.04						3.91
Marshall	Missouri				.02	.05				.22	.12	T.								T.	.60	.40	T	.36			1.14						2.91
Mountain Grove	White					.18				.20	.04	.77									.04	.19	.02	.89	.09		.98						3.40
Mount Vernon	Neosho					T.				.40		T.	T.							T.	1.10	.60	.30	.60	.05	.05	.90						4.00
Neosho	do					.05				.30		.25	T.	.01							1.58	.63	.09	.84	.03	.02	1.52						5.32
Nevada	Osage				T.	.13				.09	T.	T.	T.							T.	.48	.62	.03	.04		T.	1.14						2.53
Osceola[2]	do										.05	.10									.15	.75		.05	T.		.95	.02					2.07
Ozark Beach[2]	White					.08				.15	.54	.75										.54		.65	.11		.96						3.78
Pleasant Hill[2]	Osage	.25								T.	.08	.06	.16								.60	.99		.44	.08		1.40	.18					4.24
St. Thomas (near)[2]	do.	.31				T.				T.	.27	.21	T.								.09	.54		.39	.05		1.02	.05					2.93
Sedalia	Missouri	.04								.18		.16	T.								.54	.65	.10	.08			1.20						2.95
Seligman	Neosho					.02				.35	.04	.26		.05	T.						.18	.69	1.08	.60	.16		1.39						4.82
Seymour (near)	White									.35		T.	T.	T.							.27	.27		1.32	.03		1.02						3.26
Springfield[1]‡	do	T.			T.	T.				.40	.13	.09	.04	.01	T.					T.	.52	.35	.49	.02	T.	.69	.33	T.					3.07
Stover[2]	Missouri	.31										.40										.11					.46						1.28
Sweet Springs	do				T.	.01				.15	.03	.08								.09	.71	.81	.02	.21	T.	T.	1.56						3.67
Warrensburg	Missouri	.01			T.					T.	.02	.02	T.								.76	.72	.05	.15			1.53						3.26
Warsaw (A)	Osage									.20		.12									.32	.37	T.	.02	T.		.97						2.00
Waverly[2]	Missouri	.17									.08	.06	T.	T.							.56	.90		.35	T.		1.50	.05					3.67

Continued on next page

Daily Precipitation for November 1940—Continued from preceding page

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Southeastern Division																																	
Advance[4]	St. Francis				.07	.36				.12	.11	1.22										.26	.46	1.08	.05	.05	.54				.03		4.35
Alton (near)	Black				.20					.35		1.30										.27		1.05			1.40						4.57
Annapolis	St. Francis	.03				.68				.06	.17	1.63									T.	.22	.01	.98	.13		1.25						5.16
Arcadia[2]	do	.07				.58					.29	1.65										.01	.16	.71	.39	.02	1.20	.05					5.13
Belleview	Meramec					*				*	*	2.12										.28		1.38	*		1.34						5.12
Birch Tree(near)	Black					.38				.15	.10	1.55												*	1.38	*	1.32						4.88
Bragg City[2]	St. Francis					.73					.40	2.52											.15	.49	.21	T.							4.50
Campbell	do	T.				.61				.10	.18	1.24										.32		1.20	.13	T.	.60						4.38
Cape Girardeau[2]	Mississippi	T.				.55					.11	1.05											.35	1.05	.52		.22	.04					3.89
Caruthersville[2]	do	T.				.35					.42	.66											.21	.50	.26	T.	.55						2.95
Centerville[2]	Black	.11				.47					.25	2.18									T.	.11	.12	1.08	.57		1.05	.01					5.95
Crystal City	Mississippi	.10				.42				.27	.03	1.38									.04	T.		.78	T.		1.01						4.03
Cuba[2]	Meramec										.33	.94										.20				.39	.76						2.62
Dexter[2]	St. Francis					.41					.02	1.40				T.							.44	1.30	.76	.02	.52						4.87
Doniphan	Black									.30	.50	1.50										.02	.28	2.88	.10	.02	1.15						6.75
Farmington	St. Francis	T.				.23				.06	.16	1.80		T.							T.	.14		1.05	.23		.98						4.15
Fisk[2]	do					.47					.27	1.65											.42	1.22	.32		.78						5.13
Fredericktown[2]	do										T.	1.30											.17	1.11	.42		.99	.11					4.10
Goodland	Black	.07				.41				*	.14	1.80										.14		1.71	.20		.95						5.42
Greenville	St. Francis					.79				.08	.19	1.12										.23		1.63	.04		1.07						5.15
Jackson	Mississippi										.07	2.43										.27		1.36			.60						4.73
Jerome[2]	Gasconade	.20									.25	.75		.02								.34		.37	.07		1.04	T.					3.04
Koshkonong	Black					.33				.32	.10	1.62										.27	.09	1.17	.06	.10	1.04						5.10
Leeper[2]	do	.05				.35					.30	1.20											.34	1.10	.30	T.	1.12	T.					4.76
Licking (near)	Gasconade	.07				.06				.16	.04	.88	T.	T.	T.						T.	.11		1.22	.11		.79						3.44
Marble Hill	Mississippi					.70					.19	1.69										.12		1.58			.90						5.18
Meramec Park[2]	Meramec	.11				.03					.26	.76	.13								.12	.19		.48			.78	.03					2.89
Morehouse	Mississippi	.04				.61				T.	.24	1.10										.39		1.61	.15	T.	.36						4.50
New Madrid[2]	do	.26				.56	.06				.11	2.21										T.	.19	.61	.24		.33	.03					4.60
Owensville[2]	Gasconade										T.	.82									.42	T.					.82	T.					2.06
Pacific[2]	Meramec	.25				*					*	2.00	T								*	*	*	*			1.30	T.					3.55
Parma[2]	St. Francis	.20				.82					.25	1.17											.31	1.11	.71		.37	T.					4.94
Poplar Bluff[2] ....(A)	Black					.36					.33		1.52										.28	1.13	.43		.93	T.					4.98
Richwoods[2]	Meramec					.19					.14										.30			.30			.95						1.88
Rolla[4]	do				.04					.31	.54	.31	.11								.13	.16	.07	.34		.17	.70	.01					2.89
St. Louis:																																	
City Office[1]‡	Mississippi	T.			.10					.27	.02	1.17									.28	.22		.21		.02	.94	T.	T.				3.23
Airport[4]‡	Missouri	T.			.03					.23	.03	1.38		T.						T.	.10	.13		.23	T.	.03	.78	T.					2.94
St. Louis Univ.[3]‡	Mississippi	T.			.06					.19	.03	.87									.17	.15		.21		.04	.73	T.					2.45
Washington Univ.[2]‡	do	.05				.05					.29	1.18	.05								.13	.03	.15	.18	.01		1.03						3.15
Salem	Meramec					.37				.09	.76		T.								T.	.30		1.75	.91		.98						5.16
Sikeston[2]	Mississippi	.20				.65					.25	1.57										T.	.42	1.40	.54		.54	.03					5.60
Union	Meramec	.13				.01				.06	.14	.96									.14	.04		.12			.90						2.50
Valley Park[2]	do	.14				.03					.26	1.34	T.								.12	.15	.14	.24	.08		.94	T.	T.				3.44
Van Buren	Black				.32					T.	.29	1.40										.13	.16	.78	.14	.70	.40						4.32
Wappapello Dam[2]	St. Francis					.42					.25	1.43											.23	1.52	.40		1.00	.01					5.26
West Plains[4]	Black				.46	.02				.41	1.12	.10										.24	.78	.97	.01	.64	.35	T.					5.10
Williamsville[2]	do					.44				.26		1.11											.20	1.61	.49		1.34	.03					5.51
Willow Sprgs. (near)[2]	White	.32				.25					.37	.87										.18	.76	1.28	.10		.94						5.07
Zalma(near)[2]	Mississippi					.04					.20	1.55											.26	1.46	.62		.93						5.06
Cairo, Ill.[1]‡	do	.06			.04	.95				.06	.13	1.13										.25	.52	.57	T.	T.	.38	T.			T.		4.09

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Steffenville, Tarkio, Wappapello Dam, Warsaw, and Washington University(St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for November 1940

(See precipitation data in daily precipitation table)

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Monthly
Lakeside (Osage Dam)	Evaporation	.014	.102	.146	.230	.115	.118	.047	.059	.115	.006	.093	.071	.051	*	*	.206	.012	.013	.050	.055	‡‡‡‡	.080	.040	.014	.019	.014	.039	*	.095	.065	....	1.856
	Mean temperature	55	58	58	62	50	42	44	48	40	52	33	25	20	18	21	32	46	48	48	50	48	46	39	37	39	34	34	36	42	48	..	41.8
	Wind movement	53	41	47	72	98	95	17	33	59	46	103	215	97	51	68	60	61	14	79	67	47	63	37	68	48	63	141	102	86	50	..	2,081
St. Louis (Washington University)	Evaporation	.065	.050	.097	.185	.065	.115	.049	.053	.070	.000	.000	*	*	*	*	*	.309	.009	.025	.049	.006	.052	.030	.014	.029	....	.015	*	.080	.007	....	1.421
	Mean temperature	56	58	60	63	50	42	42	45	44	51	49	27	22	19	20	32	42	46	52	50	56	48	42	38	36	34	32	31	35	50	..	42.6
	Wind movement	39	31	25	63	81	78	21	29	31	45	36	85	53	32	51	44	39	21	41	62	44	39	47	89	67	76	84	52	61	40	..	1,506

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports respectively. * Included in next measurement. ‡‡‡‡ —.013.

Continued from page 53

Hail.—Light, 10th at Amity, Kirksville, Rolla; 11th at Brunswick and Rolla.

Halos.—Solar, 4th, 6th, 9th, 18th, 19th, 20th, 28th, 29th, 30th; lunar, 8th, 16th, 18th, 19th, 20th.

Sleet.—11th, 25th, 26th.

Thunderstorms.—Local, 4th, 10th, 11th.

Windstorm.—On 11th high winds were general over the State, with minor damage locally to window glass, roofs, trees, signs, billboards, and communication lines and poles.

ERRATA

February 1940, page 7: Total precipitation at Birch Tree should be 1.11, departure should be —1.39; total snowfall at Edgerton and Mountain Grove should be 6.2 and 8.8 respectively; page 8: Total precipitation at Birch Tree should be 1.11.

September 1940, page 44: Total precipitation at Rolla should be 0.20, departure should be —3.94, days with 0.01 inch or more should be 4, date of maximum temperature at Rolla should be 9; page 45: Precipitation at Rolla on 15th should be .03, total precipitation should be 0.20.

October 1940, page 49: Mean temperature at Clinton should be 64.2, departure should be +5.3, date of maximum temperature at Clinton should be 5; mean temperature at Advance should be 60.7; page 52: Maximum temperature at Clinton on 31st should be 60, minimum temperature on 6th, 7th, and 28th should be 51, 45, and 55 respectively; mean minimum should be 49.2.

Daily Temperatures for November 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum...	67	75	75	66	50	51	60	62	51	56	50	26	28	22	30	55	62	68	65	54	56	52	42	38	42	35	33	42	41	53	..	50.2
	Minimum ...	46	42	42	49	41	31	27	26	38	45	41	15	7	6	5	5	23	27	36	36	36	32	33	30	25	25	27	10	10	27	..	28.2
Chillicothe §§	Maximum...	66	78	75	65	63	51	62	64	57	55	29	24	27	22	33	58	63	71	63	39	46	47	39	39	42	30	35	48	51	41	..	49.4
	Minimum ...	44	44	46	57	39	38	24	28	40	44	24	12	3	5	0	6	25	36	40	35	32	30	34	27	23	28	25	11	16	33	..	28.3
Columbia	Maximum...	65	73	75	68	56	50	57	60	51	58	59	27	25	22	28	51	59	67	61	46	57	59	47	38	46	35	33	45	50	60	..	51.0
	Minimum ...	48	45	52	55	36	31	27	38	43	46	22	15	8	10	6	24	30	40	41	37	38	35	38	29	27	30	22	17	34	27	..	31.8
Fayette	Maximum...	65	74	72	67	62	51	56	61	52	55	52	29	26	22	29	53	62	67	65	56	55	54	49	41	43	41	33	41	45	59	..	51.2
	Minimum ...	45	40	43	50	43	29	26	33	42	43	22	13	5	6	3	17	29	35	47	34	37	30	40	29	22	29	25	9	29	33	..	29.6
Grant City	Maximum...	60	76	73	68	54	50	59	58	56	50	52	20	23	19	28	57	63	68	59	38	45	44	38	45	44	40	32	45	40	40	..	48.3
	Minimum ...	36	40	47	54	38	29	24	26	39	42	15	7	0	1	-1	19	27	39	37	32	26	29	32	25	26	30	22	11	23	24	..	26.6
Hannibal	Maximum...	62	71	75	67	62	47	54	58	50	55	56	30	26	23	28	49	57	65	68	43	61	50	44	36	46	38	31	40	40	56	..	49.6
	Minimum ...	49	45	50	55	38	35	30	35	42	45	19	14	5	6	5	21	32	33	39	35	38	33	35	27	26	28	17	11	28	22	..	29.9
Kansas City Airport.	Maximum...	68	77	73	65	48	51	62	64	55	55	56	23	28	21	33	58	64	71	63	40	49	47	40	39	41	37	34	48	51	53	..	50.5
	Minimum ...	42	46	54	47	34	31	30	39	46	48	18	13	10	10	8	28	28	45	38	35	38	32	33	28	28	30	21	21	31	25	..	31.2
Kirksville	Maximum...	63	73	72	63	62	48	56	53	53	51	55	23	24	18	27	54	58	65	62	47	54	46	41	41	43	39	32	38	42	44	..	48.2
	Minimum ...	47	42	48	53	40	33	28	35	43	44	21	11	3	4	2	20	29	35	45	34	37	31	35	27	27	29	24	7	24	29	..	29.6
Lawson	Maximum...	65	73	71	64	59	50	59	61	57	52	53	22	25	20	30	54	62	68	60	39	46	45	41	40	39	40	33	43	40	48	..	48.6
	Minimum ...	40	42	49	55	47	27	30	39	43	46	18	12	1	6	2	22	28	36	39	34	36	33	34	26	26	29	24	12	28	33	..	29.9
Louisiana	Maximum...	70	75	75	70	65	55	55	60	60	55	60	27	25	22	25	50	58	63	70	50	70	65	54	44	41	34	35	37	50	60	..	52.8
	Minimum ...	37	50	40	50	45	37	20	25	42	42	26	17	10	6	10	20	25	23	44	40	40	28	30	31	20	30	28	25	32	40	..	30.4
Macon§§	Maximum...	65	72	73	65	47	61	65	60	50	55	29	25	25	21	27	55	59	65	63	54	55	49	41	39	43	32	31	40	43	50	..	48.6
	Minimum ...	46	43	49	53	41	30	28	31	45	42	27	12	4	5	4	7	23	29	35	33	34	29	36	26	24	26	26	6	14	26	..	27.8
Maryville	Maximum...	63	70	73	64	55	48	58	57	55	49	49	18	21	16	30	50	59	64	58	37	43	41	40	40	40	40	32	41	39	39	..	46.3
	Minimum ...	35	40	49	55	36	29	28	41	45	44	14	7	-1	-1	1	20	27	39	37	32	35	31	32	26	28	31	20	13	23	25	..	28.0
Mexico §§	Maximum...	66	74	77	68	50	50	58	60	49	58	51	30	27	24	31	52	61	65	67	55	61	55	42	33	44	35	33	42	47	61	..	50.9
	Minimum ...	43	43	48	50	43	29	25	31	40	43	40	9	5	5	4	7	26	29	38	35	35	30	31	30	23	26	28	13	15	32	..	28.5
Moberly	Maximum...	64	68	73	69	64	54	57	59	55	56	56	28	24	22	27	52	65	68	65	61	56	53	50	44	43	40	36	40	42	47	..	51.3
	Minimum ...	46	47	49	41	41	30	26	32	42	43	20	13	6	7	3	18	27	37	47	34	32	31	38	27	25	29	26	5	30	35	..	29.6
Oregon	Maximum...	67	72	73	65	57	51	58	60	59	51	51	21	27	20	32	53	62	67	63	39	44	44	44	42	39	40	33	47	44	43	..	48.9
	Minimum ...	37	45	46	56	39	29	31	43	41	43	15	10	2	0	5	24	30	41	36	33	37	31	32	26	27	30	22	16	27	27	..	29.5
St. Charles §§	Maximum...	68	77	79	71	54	52	56	59	50	60	46	34	30	25	32	52	59	63	69	58	68	56	45	39	44	37	36	43	49	63	..	52.5
	Minimum ...	50	44	43	49	48	33	26	30	37	43	44	20	10	12	10	18	31	29	34	43	43	32	42	37	27	30	30	18	23	40	..	32.5
St. Joseph	Maximum...	66	73	72	65	46	51	61	60	50	52	53	20	25	19	31	53	60	67	59	38	46	45	38	43	40	37	31	46	42	45	..	47.8
	Minimum ...	41	48	55	46	36	33	30	43	46	47	16	11	7	5	8	25	29	42	36	35	35	34	31	28	28	29	19	18	30	23	..	30.8
Trenton	Maximum...	65	74	73	66	56	51	61	60	50	53	52	24	26	23	30	56	63	68	60	48	47	45	47	45	42	35	32	42	40	45	..	49.3
	Minimum ...	43	43	47	53	38	30	24	48	42	45	19	10	3	3	0	20	28	32	48	35	36	29	35	27	25	30	25	10	25	30	..	29.4
Unionville §§	Maximum...	63	71	72	63	42	53	61	60	50	55	37	24	25	22	28	58	61	72	60	53	52	45	40	45	44	34	32	40	37	43	..	48.1
	Minimum ...	44	39	38	47	38	32	26	28	35	42	34	8	-1	0	-2	0	20	27	35	33	33	28	28	25	24	25	25	4	10	20	..	24.8
Warrenton	Maximum...	66	76	78	74	68	52	56	60	55	58	52	30	27	24	30	52	59	65	68	63	64	59	51	42	45	40	34	43	51	61	..	53.4
	Minimum ...	49	42	44	55	44	30	27	35	42	42	26	16	9	7	6	17	31	35	46	39	40	36	42	30	25	31	28	14	35	38	..	32.0
Keokuk, Iowa	Maximum...	61	70	73	67	56	46	54	56	53	52	57	26	24	24	30	50	55	62	64	42	60	47	42	38	44	36	30	39	40	47	..	48.2
	Minimum ...	49	48	49	56	38	35	30	33	44	46	17	13	5	7	6	26	31	36	39	35	40	34	35	29	28	29	19	14	23	23	..	30.6
Southwestern Division																																	
Clinton	Maximum...	69	78	75	67	55	55	62	66	51	59	56	27	30	26	27	57	65	72	66	50	52	55	49	39	45	37	39	52	62	58	..	53.4
	Minimum ...	41	42	48	52	29	27	25	30	44	44	18	13	6	9	3	23	25	32	42	37	36	33	38	28	26	32	22	19	29	27	..	29.3
Eldon§§	Maximum...	67	79	76	70	53	50	58	65	48	60	42	28	25	..	..	..	65	68	69	57	58	61	46	35	47	34	34	48	57	60	..	^{c}54.1
	Minimum ...	43	44	43	45	46	29	27	27	33	43	42	17	10	8	5	..	..	..	25	40	39	33	32	35	29	29	28	16	16	28	..	^{c}30.1
Harrisonville§§	Maximum...	69	78	73	66	45	53	63	66	48	55	30	22	29	25	33	59	65	70	61	49	46	50	40	34	40	35	32	49	57	52	..	49.8
	Minimum ...	47	42	46	54	38	27	31	36	42	44	21	11	3	9	3	11	30	37	45	35	35	34	36	28	26	30	30	18	24	35	..	30.3
Jefferson City §§	Maximum...	69	79	76	69	52	51	59	67	47	57	31	31	28	25	31	53	63	68	70	57	59	60	44	34	47	34	35	47	55	61	..	52.0
	Minimum ...	41	40	44	52	42	27	24	26	33	35	29	14	6	6	4	4	22	29	29	37	37	29	29	32	24	28	26	14	16	34	..	27.1
Joplin	Maximum...	66	74	71	67	64	54	56	65	52	68	58	25	28	24	32	54	66	69	65	58	58	59	57	40	47	42	42	53	64	60	..	54.6
	Minimum ...	43	53	56	56	39	32	33	40	45	47	23	19	11	14	11	29	31	46	58	43	40	43	40	35	35	34	31	27	40	32	..	36.2
Lamar§§	Maximum...	71	77	75	70	59	55	61	69	49	62	38	30	33	31	37	45	65	73	67	57	58	63	44	38	50	38	46	55	67	61	..	54.8
	Minimum ...	38	38	44	50	39	27	25	25	35	42	21	16	7	7	3	3	20	20	39	38	38	32	35	33	30	30	28	22	27	34	..	28.2
Lebanon	Maximum...	66	73	70	66	64	53	56	62	50	55	55	29	27	26	31	52	66	65	65	61	61	64	56	43	47	45	40	49	65	64	..	54.2
	Minimum ...	46	44	47	50	42	25	24	27	40	42	21	13	6	6	1	19	27	32	48	44	48	36	41	33	27	30	26	17	31	42	..	31.2
Lexington§§	Maximum...	69	77	74	65	45	53	63	64	48	57	30	25	29	25	32	57	66	71	62	60	46	48	40	38	41	35	33	45	44	55	..	49.9
	Minimum ...	41	43	46	56	40	31	31	33	42	44	24	14	7	8	5	9	28	35	41	35	37	37	33	28	26	27	26	16	22	34	..	30.0
Marshall	Maximum...	66	77	71	65	64	49	56	67	57	56	53	27	27	23	28	50	63	68	64	62	56	52	47	41	41	40	35	44	44	55	..	51.6
	Minimum ...	45	42	50	57	41	29	29	38	39	44	21	14	10	6	6	6	31	31	52	35	31	31	38	25	25	27	24	14	31	31	..	30.1
Mountain Grove	Maximum...	66	77	74	64	64	50	59	59	51	53	57	34	28	27	31	53	67	63	63	65	65	63	57	47	47	45	39	47	61	64	..	54.7
	Minimum ...	48	44	46	49	44	28	27	31	39	40	24	18	12	11	7	19	31	39	47	51	52	40	45	36	31	31	27	19	33	40	..	33.6
Neosho	Maximum...	66	71	71	68	68	53	60	66	62	71	70	35	28	28	35	52	66	70	65	63	59	59	64	48	44	43	44	53	65	63	..	57.0
	Minimum ...	39	41	43	56	42	27	25	31	43	45	22	21	10	10	5	19	22	35	54	49	43	35	44	39	37	34	32	23	32	39	..	33.2
Nevada	Maximum...	71	77	75	66	65	55	62	68	60	59	56	28	33	33	35	59	69	72	64	60	55	55	54	40	46	42	44	52	65	58	..	55.9
	Minimum ...	39	43	43	53	40	28	24	32	32	45	21	15	6	15	2	22	23	38	52	38	37	32	38	30	29	30	28	21	31	39	..	30.9
Sedalia	Maximum...	65	75	74	67	65	50	57	63	58	59	55	29	25	23	30	53	62	69	66	61	56	55	49	41	45	42	36	47	54	56	..	52.9
	Minimum ...	43	44	51	56	43	28	27	38	43	44	23	14	6	9	5	22	29	41	55	37	37	35	40	30	27	32	25	17	32	36	..	32.3
Springfield	Maximum...	64	74	72	67	60	53	57	59	46	55	54	26	27	25	31	52	66	65	65	62	61	59	57	41	46	40	40	51	63	63	..	53.4
	Minimum ...	44	42	46	52	32	27	27	33	41	44	21	17	9	10	6	22	29	40	51	52	42	40	40	33	33	32	25	22	34	34	..	32.7
Warrensburg	Maximum...	67	77	74	70	64	53	60	62	56	57	57	26	28	24	32	56	63	69	63	59	55	51	49	41	44	44	34	47	56	55	..	53.1
	Minimum ...	42	44	48	46	39	29	28	36	43	45	22	12	5	11	4	23	28	43	55	35	37	42	38	26	26	31	27	16	31	37	..	31.6
Southeastern Division																																	
Arcadia §§	Maximum...	67	82	78	70	59	52	59	62	47	63	59	44	34	32	35	55	66	64	66	59	69	60	53	43	49	42	40	42	62	63	..	55.9
	Minimum ...	32	37	41	46	52	31	23	25	30	40	45	22	17	10	7	10	21	24	26	42	53	40	42	40	30	31	32	15	16	35	..	30.5
Birch Tree(near)	Maximum...	68	79	77	72	65	52	58	60	49	54	58	40	33	30	33	54	66	64	65	68	69	62	59	50	52	45	42	48	62	64	..	56.6
	Minimum ...	46	33	43	50	47	25	23	25	37	40	29	19	15	6	2	26	27	31	40	52	56	46	48	38	34	32	29	13	29	40	..	32.7
Caruthersville§§	Maximum...	71	79	79	78	70	55	49	60	54	67	63	52	49	35	34	50	65	68	70	69	68	72	64	58	52	50	46	47	61	57	..	59.7
	Minimum ...	53	40	42	46	53	36	32	33	37	43	53	30	26	17	13	14	23	22	35	42	52	60	60	57	40	40	32	22	23	34	..	37.2
Crystal City	Maximum...	63	79	78	74	68	46	56	58	51	54	61	38	32	31	31	53	61	64	67	61	70	58	54	46	47	43	37	42	57	65	..	54.8
	Minimum ...	43	32	33	53	46	30	22	23	31	43	30	21	16	8	8	13	26	21	35	38	45	28	44	34	31	33	28	15	30	32	..	29.7
Doniphan	Maximum...	73	82	78	73	68	54	60	64	46	56	65	46	39	35	35	55	70	69	70	69	69	68	65	61	48	48	45	48	65	60	..	59.5
	Minimum ...	51	30	30	39	50	27	23	23	30	43	35	20	22	9	7	12	19	23	32	42	51	52	56	42	34	36	35	16	26	41	..	31.9
Farmington	Maximum...	63	77	81	74	76	48	53	58	60	55	62	39	35	28	29	52	60	62	66	63	67	64	57	49	47	44	37	40	60	61	..	55.6
	Minimum ...	52	37	55	56	47	33	25	25	41	43	32	22	17	12	10	12	32	25	43	53	53	39	45	38	32	34	31	18	34	40	..	34.5
Jackson	Maximum...	69	79	78	72	69	55	55	58	57	59	64	40	36	31	31	47	62	62	66	66	63	62	60	50	50	51	41	40	56	59	..	56.3
	Minimum ...	35	33	36	51	52	30	24	24	30	43	40	24	22	15	13	17	20	24	37	50	54	49	50	41	34	40	34	20	31	41	..	33.8
Poplar Bluff	Maximum...	75	81	79	74	69	60	63	68	66	64	65	48	42	32	31	50	71	67	70	70	63	65	68	59	..	50	44	48	63	59	..	^{a}60.8
	Minimum ...	42	33	34	37	59	30	22	28	31	42	36	22	23	12	11	12	21	26	34	45	53	51	56	42	..	37	34	18	33	44	..	^{a}33.4
Rolla	Maximum...	63	78	75	69	60	48	55	61	46	58	56	29	26	23	28	53	61	64	65	58	66	62	51	40	48	37	34	44	60	62	..	52.7
	Minimum ...	50	48	50	52	33	30	31	36	42	43	22	17	9	9	5	21	31	36	50	49	42	38	39	30	28	30	21	15	37	30	..	32.5
St. Louis	Maximum...	62	75	77	71	61	49	53	57	50	59	60	33	26	23	28	49	56	59	67	60	70	57	50	43	45	39	34	42	51	63	..	52.3
	Minimum ...	52	50	54	57	44	36	36	38	42	43	28	21	16	16	13	24	36	39	42	43	48	43	43	31	31	33	27	21	40	32	..	36.0
Salem	Maximum...	61	75	74	69	62	45	52	57	45	53	56	33	25	25	29	52	60	61	66	60	67	60	56	45	49	45	37	42	61	64	..	52.9
	Minimum ...	50	42	54	54	40	29	23	26	41	42	27	18	12	9	6	17	30	27	46	52	47	32	44	34	29	31	26	17	31	40	..	32.5
Sikeston §§	Maximum...	69	80	81	77	65	50	58	60	52	65	62	44	36	34	33	49	63	72	70	68	66	65	62	46	54	52	44	45	62	58	..	58.1
	Minimum ...	48	41	43	45	55	30	27	29	34	41	50	25	23	13	11	14	23	30	38	46	48	56	51	44	37	37	32	21	22	34	..	34.9
Union	Maximum...	68	82	80	74	71	50	60	65	58	56	59	36	31	28	33	55	63	68	71	66	71	64	56	46	47	44	38	43	57	64	..	56.8
	Minimum ...	50	31	34	58	46	29	21	24	39	44	29	19	14	10	8	14	30	24	36	43	45	28	43	34	27	32	30	16	37	30	..	30.8
West Plains	Maximum...	68	78	76	70	64	53	59	59	45	56	56	39	33	30	33	55	68	64	66	67	69	59	61	46	47	44	43	48	63	65	..	56.1
	Minimum ...	38	35	33	41	37	27	26	27	34	45	26	20	15	11	8	16	27	27	41	47	40	38	46	37	34	34	23	19	29	36	..	30.6
Cairo, Ill.	Maximum...	65	75	77	74	64	48	54	57	51	66	66	42	34	30	29	46	60	63	66	65	67	64	62	48	47	54	38	41	57	58	..	55.6
	Minimum ...	51	47	52	55	45	38	37	36	41	47	35	29	21	17	16	22	31	36	49	52	57	57	48	40	37	37	30	26	36	39	..	38.8

^{a}, ^{b}, ^{c}, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 12-20-40—1150.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

VOL. XLIV — DECEMBER 1940 — No. 12

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GENERAL SUMMARY

December was a warm, cloudy, damp month with widely varying amounts of snowfall. It was the third consecutive December with average temperature above normal. Fog and mist were prevalent quite frequently, resulting in much damp, gloomy, and unpleasant weather.

All Divisions of the State averaged between 4.3° and 4.8° warmer than normal, and not a single station had a mean temperature deficiency. Warm periods were 6th to 10th and 19th to 31st, with cold periods 1st to 3d and 16-17th. The 9th was the warmest day at most stations and the 3d or 17th the coldest, although some stations had the lowest temperature on other days. Minimum temperatures of zero or lower occurred on one day only and were confined to the extreme northern portion of the State.

Precipitation was generally above normal. Amounts varied considerably among the three Divisions, with the Southeastern Division receiving the largest amount. The Northern Division received the least precipitation, amounts ranging from one to nearly three inches. Most of the precipitation occurred between the 11th and 19th and on the 30th-31st, except some moderate to heavy amounts between the 25th and 28th in the Southeastern Division. Sleet and freezing rain prevailed quite generally, at intervals, between the 10th and 19th. The snowfall was irregularly distributed, ranging from 12.5 inches in the extreme Northwest portion, to none at some stations in each Division. Heaviest amounts of snowfall occurred generally in the Northwestern counties.

Frequent precipitation and alternate freezing and thawing of the ground kept fields muddy, and very little farm work was accomplished, other than seasonal chores. The mild weather afforded a large saving in fuel and feed for livestock. Subsoil moisture and water supplies were further augmented and the winter wheat crop was benefitted by the ample moisture. Late reports on the damage to trees and shrubs by the severe freeze in November indicate that the damage was more extensive and severe than first reports revealed.—M. R. W.

TEMPERATURE

The monthly mean for the State, 85 stations reporting, was 38.6°, or 4.4° above normal. The highest monthly mean was 44.7° at Campbell, and the lowest monthly mean was 30.5° at Tarkio. The highest recorded was 78° at Mount Vernon on the 9th, and the lowest was 2° below zero at Unionville on the 4th. The greatest daily range was 52° at Unionville on the 4th.

PRECIPITATION

The average for the State, 146 stations reporting, was 2.59 inches, or 0.44 inch more than normal. The greatest local monthly amount was 5.20 inches at New Madrid, and the least local monthly amount was 1.02 inches at Edgerton. The greatest amount in any twenty-four hours was 2.09 inches at Dexter on the 16th. The average number of days with 0.01 inch or more was 9.

Snowfall averaged 1.7 inches, or 1.6 inches less than normal. The greatest local monthly fall was 12.5 inches at Oregon.

MISCELLANEOUS PHENOMENA

Fog.—Dense, 11th, 12th, 13th, 14th, 15th, 19th, 20th, 21st, 22d, 23d, 24th, 25th, 26th, 27th, 28th, 29th, 31st.

Glaze.—11th, 13th, 14th, 15th, 16th, 17th, 18th.

Halos.—Solar, 2d, 7th; lunar, 7th, 17th.

Sleet.—10th, 11th, 12th, 13th, 14th, 15th, 16th, 18th, 19th, 27th, 30th.

Thunderstorms.—Local, 6th, 7th; more or less general 31st.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.11*	30.61*	3	29.55*	25	8.0	24	sw.	16	86*	71*	75*	38
Kan. C. Airport	30.11	30.64	3	29.52	25	10.1	37	sw.	6	83	69	72	41
St. Joseph	30.12*	30.66*	2	29.54*	25	8.4	27	nw.	16	94*	74*	81*	38
St. Louis	30.12*	30.63*	3	29.59*	25	11.4	35	sw.	9	81	68	71	38
Springfield	30.10	30.53	3	29.52	25	11.2	31	s.	9	90	71	78	39
Cairo, Ill.	30.11	30.58	3	29.50	27	8.5	29	sw.	16	85	71	..	45
Keokuk, Iowa	30.11§	30.66	3	29.57	9	7.8	25	sw.	16	80	67	..	35

* Data for Airport Station. § 7:30 A. M.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	35.9	70	0	2.43	1.88	3.03	2.39	....	6	..	..	..
1889	46.8	80	2	1.09	0.60	0.85	1.82	0.1	3	..	..	..
1890	36.0	76	−3	1.18	0.82	1.14	1.57	4.6	3	..	..	..
1891	39.8	72	−1	1.88	1.91	1.67	2.05	....	6	..	..	..
1892	29.4	75	−22	2.50	1.69	2.76	3.04	4.8	6	8	7	16
1893	35.2	76	−7	0.97	0.80	0.67	1.44	2.7	5	11	11	9
1894	36.7	75	−7	2.41	1.19	2.33	3.70	1.3	5	14	8	9
1895	34.3	69	−8	6.40	5.12	8.57	5.50	3.4	8	9	8	14
1896	38.6	79	−5	0.92	0.84	1.17	0.75	T.	3	13	8	10
1897	29.3	74	−14	3.03	1.92	2.98	4.19	6.3	7	8	8	15
1898	28.7	74	−20	1.65	1.62	1.84	1.48	5.1	5	17	6	8
1899	30.4	75	−13	2.22	1.90	2.02	2.74	6.6	9	12	9	10
1900	35.6	68	−3	0.79	0.47	0.55	1.35	0.6	4	14	8	9
1901	28.5	71	−29	3.20	2.26	2.98	4.35	6.9	8	11	7	13
1902	30.7	68	−7	3.32	2.02	2.76	5.18	3.1	8	10	4	17
1903	30.2	65	−11	1.70	1.05	1.56	2.49	2.3	5	16	7	8
1904	32.9	75	−10	1.55	1.56	1.24	1.84	6.0	5	16	7	8
1905	33.3	66	−2	1.71	0.79	1.44	2.89	1.7	4	18	6	7
1906	36.1	73	0	2.52	1.67	1.85	4.05	0.6	8	8	6	17
1907	37.7	76	3	1.75	1.22	1.69	2.34	3.7	7	11	7	13
1908	38.4	80	−4	0.78	0.54	0.94	0.86	T.	3	16	7	8
1909	24.9	76	−17	2.87	2.82	2.80	3.00	7.7	8	12	6	13
1910	31.2	67	−5	1.49	0.94	1.14	2.40	2.4	4	16	5	10
1911	36.7	74	−11	2.85	2.74	2.56	3.26	5.1	7	13	6	12
1912	36.5	72	2	0.62	0.54	0.49	0.82	0.6	3	19	5	7
1913	38.3	74	−3	2.26	2.11	2.84	1.83	6.6	7	9	4	18
1914	26.8	68	−18	2.51	1.69	2.20	3.65	6.6	9	7	5	19
1915	34.7	68	−13	2.99	1.48	2.45	5.03	7.8	6	12	6	13
1916	31.3	82	−29	1.92	0.78	1.54	3.44	4.4	6	15	6	10
1917	25.5	82	−23	0.76	0.41	0.75	1.13	7.3	5	11	7	13
1918	40.0	83	−12	3.23	2.27	2.81	4.62	7.8	7	13	6	12
1919	28.5	74	−22	0.72	0.41	0.66	1.08	0.7	3	12	4	15
1920	35.6	77	−10	2.12	1.25	1.49	3.61	2.3	5	13	7	11
1921	36.9	74	−8	1.97	1.26	2.00	2.65	1.9	6	13	7	11
1922	36.3	75	−6	2.27	0.75	1.71	4.35	0.2	6	15	6	10
1923	41.0	82	−4	3.07	1.63	2.96	4.62	0.8	8	11	6	14
1924	27.7	80	−28	3.48	2.94	3.45	4.06	4.6	7	13	6	12
1925	31.6	69	−10	1.43	1.53	1.27	1.50	4.8	4	13	7	11
1926	32.6	75	−12	2.16	1.17	2.12	3.20	2.4	6	11	5	15
1927	29.9	74	−11	2.81	1.64	2.55	4.23	2.9	6	15	5	11
1928	36.2	81	0	2.29	1.37	2.49	3.00	1.4	5	14	6	11
1929	35.2	76	−9	1.74	0.67	1.11	3.43	3.7	6	13	5	13
1930	34.2	70	2	1.24	0.79	1.35	1.57	1.9	5	15	6	10
1931	42.7	80	11	2.71	2.53	1.51	4.10	1.7	8	11	6	14
1932	31.2	77	−21	4.74	3.18	4.98	6.07	5.7	7	12	6	13
1933	39.1	78	−7	1.92	1.52	1.67	2.56	0.4	5	12	7	12
1934	31.6	69	−3	1.80	0.94	1.72	2.74	5.0	7	10	6	15
1935	30.7	66	−11	1.20	0.85	1.03	1.73	2.8	6	11	7	13
1936	38.4	69	−7	2.83	2.19	2 71	3.60	2.2	7	12	7	12
1937	32.0	66	−2	2.24	1.50	1.90	3.32	0.6	9	8	6	17
1938	35.9	72	2	1.83	1.66	1.52	2.32	0.2	6	15	7	9
1939	38.8	80	−5	1.45	1.11	1.46	1.79	6.3	6	15	7	9
1940	38.6	78	−2	2.59	1.77	2.33	3.66	1.7	8	10	5	16
....	....	..	....	....	....	....	....	....	..	..	..	..
Period	**34.2**	**83**	**−29**	**2.15**	**1.52**	**2.03**	**2.91**	**3.3**	**6**	**13**	**6**	**12**

Climatological Data for December 1940

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	45	33.6	+ 3.5	62	9	2	17	30	47	1.46	+0.31	1.00	4.0	3	12	2	17	ne.	A. S. Cumming
Brunswick	Chariton	652	59	35.8	+ 5.2	70	9	11	3†	39	61	2.25	+0.58	1.13	5.0	8	15	1	15	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	2	35.1	......	69	9	0	3	40	10	1.58	−0.05	1.04	1.8	7	9	5	17	ne.	Lockmaster
Chillicothe	Livingston	779	31	34.6	+ 4.7	67	9	7	3	46	34	1.34	−0.08	1.29	0.3	3	13	0	18	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	41	36.6	+ 5.6	70	9	6	3	39	31	2.33	+0.61	0.85	2.5	7	7	7	17	w.	Dr. A. J. Bradsher
Columbia	Boone	740	50	38.0	+ 4.0	73	9	11	3	34	50	2.91	+1.05	1.37	1.7	8	6	10	15	w.	U. S. Weather Bureau
Conception	Nodaway	980	51	32.4	+ 3.2	60	9	2	17	28	56	1.22	+0.34	0.88	7.2	3	9	5	17	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	20	36.1[a]	+ 5.7	66	9	6	18	39	29	1.02	−0.10	0.32	5.4	8	14	2	15	n.	Fred L. Stiff
Elsberry	Lincoln	449	9	37.6	+ 3.2	72	9	9	3	47	9	1.70	−0.51	0.41	2.5	7	11	8	12	nw.	Ray E. Mills
Fayette	Howard	760	60	36.3	+ 5.2	72	9	9	3	41	57	2.21	+0.55	1.02	5.0	7	12	2	17	sw.	Irvin E. Schnell
Fulton	Callaway	818	52	36.3	+ 2.8	73	9	11	4	45	48	2.40	+0.74	1.01	0.7	7	14	0	17	w.	Clyde C. Herring
Grant City	Worth	1,134	36	32.4	+ 4.4	62	9	− 1	17	31	48	1.28	+0.22	0.69	9.5	4	8	5	18	ne.	Howard Rybolt
Hannibal	Marion	759	48	35.6	+ 4.1	70	9	2	3	33	56	1.91	+0.37	1.22	2.6	7	9	5	17	w.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	51	37.2	+ 4.7	67	9	11	17	32	51	1.68	+0.35	0.68	1.2	9	7	4	20	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	2	38.8	......	68	9	12	17	34	2	2.38	......	1.24	0.6	12	3	9	19	sw.	University of Kansas City
Kidder	Caldwell	1,020	48	34.4	+ 5.2	63	9	6	17	31	52	1.59	+0.32	0.76	2.2	5	13	1	17	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	51	34.2	+ 4.6	64	9	1	3	30	58	1.67	−0.09	1.01	4.9	7	8	8	15	nw.	Howard Coons
Lawson	Ray	1,070	2	35.2	......	64	9	8	17	31	2	1.61	......	1.12	2.3	8	9	6	16	ne.	Elmer E. Lamb
Louisiana	Pike	469	46	39.0[c]	+ 7.2	70	9!	7	3	42	59	1.92	+0.02	1.06	4.7	6	16	0	15	w.	Stark Bro's Nurseries
Macon	Macon	875	41	33.6	+ 3.5	67	9	4	3	43	47	1.65	+0.01	0.69	1.3	7	13	4	14	sw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	50	32.0	+ 5.2	60	9	0	17	28	46	1.18	+0.10	0.66	11.2	5	10	1	20	se.	R. B. Montgomery
Memphis	Scotland	787	1	32.4	......	64	9	− 1	3	45	10	1.54	+0.26	0.75	3.4	4	6	4	21	ne.	John W. Alexander
Mexico	Audrain	800	51	36.2	+ 4.4	72	9	8	3	39	62	2.86	+0.95	1.15	5.5	10	14	1	16	ne.	Mrs. Abbie Snoddy
Moberly	Randolph	875	3	38.2	......	71	9	7	3	36	3	2.24	......	1.10	3.3	7	11	6	14	n.	Beverly Coomes
Oregon	Holt	1,048	84	34.6	+ 5.9	63	9	3	17	28	84	1.42	+0.38	1.21	12.5	4	11	8	12	ne.	Miss Mina Wright
St. Charles	St. Charles	520	52	38.8	+ 3.9	72	9	11	3	43	62	2.69	+0.90	1.34	0	7	13	4	14	s.	Martin L. Comann
St. Joseph	Buchanan	957	30	34.9	+ 5.3	62	9	8	17	24	68	1.55	+0.26	1.07	3.9	6	8	6	17	w.	U. S. Weather Bureau
Steffenville	Lewis	650	42	33.7	+ 3.1	69	9	1	14	42	47	1.86	+0.17	1.25	2.0	6	9	7	15	s	Frank Hall
Tarkio	Atchison	916	37	30.5	+ 4.1	56	8	− 1	17	30	46	1.11	+0.15	0.59	12.0	4	8	5	18	ne.	Albert Volker
Trenton	Grundy	822	44	31.8	+ 5.2	63	9	5	3	35	45	1.58	+0.17	0.68	4.5	3	7	8	16	s.	W. H. Estes
Unionville	Putnam	1,062	47	31.8	+ 4.2	62	9	− 2	4	52	47	1.36	−0.35	1.19	2.0	3	10	2	19	sw.	John H. Schick
Warrenton	Warren	816	58	38.5	+ 6.1	71	9	9	3	38	50	2.15	+0.07	0.53	T.	9	7	7	17	nw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	68	35.4	+ 5.8	68	9	0	3	29	68	1.81	+0.39	1.04	0.1	7	9	3	19	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**35.3**	**+ 4.6**	**73**	**9**	**− 2**	**4**	**52**	..	**1.77**	**+0.25**	**1.45**	**3.8**	**6**	**10**	**4**	**17**	**ne.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	36	40.8	+ 3.3	71	9	18	17	44	41	2.47	+0.12	0.93	0	7	13	2	16	sw.	E. S. Taylor
Appleton City	St. Clair	813	45	37.8	+ 3.2	71	9	13	17	38	48	2.16	+0.57	0.89	1.5	9	10	3	18	sw.	Rolla Brown
Bolivar	Polk	1,071	37	39.9	+ 4.3	72	9	17	17	33	45	2.77	+0.43	1.10	T.	9	11	5	15	sw.	Southwest Baptist College
Boonville	Cooper	650	2	35.8	......	71	9	10	3	34	63	2.80	+1.10	0.88	3.4	8	9	7	15	e.	Boonville Water Dept.
Carthage	Jasper	962	6	40.9	......	72	9	19	16†	38	16	2.16	......	0.85	T.	8	13	7	11	se.	Carthage W. and E. Plant
Clinton	Henry	786	47	37.8	+ 3.1	71	9	12	17	35	53	2.35	+0.48	1.60	2.0	14	6	8	17	ne.	U. S. Weather Bureau
Eldon	Miller	934	45	37.9	+ 3.6	73	9	15	4	38	41	2.45	+0.69	1.13	T. ¶	9	12	5	14	sw.	E. H. Shepherd
Harrisonville	Cass	904	62	37.0	+ 5.7	70	9	13	17	37	65	1.28	−0.17	0.73	1.5	7	9	4	18	sw.	John H. Patterson
Jefferson City	Cole	557	50	36.7	+ 3.8	72	9	11	3†	39	58	2.63	+0.69	0.90	T.	8	10	4	17	w.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	18	41.4	+ 2.2	70	9	19	16	26	35	2.09	+0.20	0.80	....	8	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	9	38.8	......	74	9	18	3†	46	9	2.80	......	1.08	....	10	..	..	..	ne.	W. S. Frame
Lamar	Barton	980	52	38.7	+ 3.5	74	9	16	17†	41	59	2.02	+0.14	0.65	0	7	12	5	14	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	52	41.1	+ 6.3	75	9	14	17	44	53	2.79	+0.51	0.73	1.0	9	8	8	15	w.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	55	36.5	+ 4.5	70	9	12	3	38	56	2.08	+0.49	0.68	1.1	9	13	3	15	nw.	Miss Carrie Loomis
Lockwood	Dade	1,078	34	40.0	+ 3.9	69	9	19	17	33	44	2.35	+0.21	0.95	0	8	11	7	13	se.	Hubert A. Nieman
Marshall	Saline	779	53	36.2	+ 4.3	71	9	12	3	43	50	2.31	+0.56	0.90	7.0	6	13	7	11	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	39	41.2	+ 6.5	70	9	16	3	39	43	3.53	+1.12	0.98	1.0	13	8	10	13	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	28	42.1	+ 6.6	78	9	11	17	42	40	2.20	−0.34	1.05	T	7	7	9	15	se.	G. H. Boswell
Neosho	Newton	1,011	53	41.6	+ 4.5	71	9	19	17	39	57	2.11	−0.17	0.88	0	9	14	4	13	w.	U. S. Fisheries Station
Nevada	Vernon	862	47	39.0	+ 3.7	71	9	15	17	37	48	2.07	+0.32	0.90	0.1¶	7	9	4	18	ne.	Henry Kraft
Ozark Beach	Taney	700	0	42.0	......	76	9	20	17	51	15	3.21	+0.46	0.91	0	6	16	0	15	......	V. Smith
Sedalia	Pettis	910	27	38.4	+ 4.5	72	9	12	17	33	29	2.21	+0.93	1.00	4.2	10	8	7	16	nw	Dr. J. E. Cannaday
Seligman	Barry	1,542	39	41.7[a]	+ 4.4	68	23	18	16†	36	37	2.14	−0.06	0.77	0	6	12[a]	4[a]	14[a]	e.	Floyd E. Fawver
Seymour(near)	Webster	1,642	34	40.4	+ 5.0	70	9	17	3†	37	34	2.68	+0.42	0.63	0.2	8	10	4	17	ne.	A. L. Hailey
Springfield	Greene	1,301	52	39.4	+ 3.2	71	9	17	17	33	52	2.63	+0.52	0.93	0.2	12	8	5	18	se.	U. S. Weather Bureau
Warrensburg	Johnson	878	53	38.2	+ 4.8	70	9	12	17	30	60	2.39	+0.85	0.93	3.5	7	12	6	13	ne.	E. A. Markey
Warsaw	Benton	687	39	39.2	+ 3.5	74	9	14	17	44	45	2.16	+0.04	1.05	0.1¶	7	13	3	15	n.	Everett Martin
Division means	**and extremes**	.....	..	**39.3**	**+ 4.3**	**78**	**9**	**10**	**3**	**51**	..	**2.33**	**+0.30**	**1.25**	**1.1**	**8**	**11**	**5**	**15**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	3	41.0	......	66	9	18	3	40	3	4.70	......	1.59	T.	13	5	9	17	n.	U. S. Weather Bureau
Arcadia	Iron	926	59	39.0	+ 4.7	70	22	16	2†	50	62	3.18	+0.33	0.99	T.	11	10	7	14	......	Arcadia College
Birch Tree(near)	Shannon	1,000	45	41.2	+ 4.8	68	9†	18	17	43	46	4.17	+1.42	1.83	0.5	9	13	6	12	nw.	V. H. Kirkendall
Campbell	Dunklin	314	14	44.7	+ 6.3	66	9	20	3	37	14	4.76	+0.81	1.95	0.2	9	13	5	13	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	44	43.2	+ 2.3	70	9	22	2†	40	48	4.67	+0.13	1.42	0.4¶	11	13[a]	0[a]	17[a]	se.	Victor T. Malloure
Crystal City	Jefferson	420	6	39.0	......	70	9	13	3	47	6	3.41	......	0.89	T. ¶	12	5	4	22	w.	Frank Magee
Doniphan	Ripley	344	36	42.8	+ 5.0	69	9†	16	2	47	36	3.62	−0.10	0.81	0	12	14	4	13	nw.	Boyce Lackey
Farmington	St. Francois	896	29	41.5	+ 4.8	67	9†	15	3	37	43	3.39	+0.59	0.69	T.	10	10	7	14	ne.	F. M. Karsch
Goodland	Iron	1,000	47	39.5	+ 4.7	68	9	14	2	46	47	3.01	+0.56	0.77	0.2	8	9	5	17	n.	F. M. Adams
Greenville	Wayne	381	31	42.0	+ 5.8	70	22	16	2	47	33	3.06	−0.50	0.90	0.5	10	9	3	19	nw.	Beuford Shoemake
Jackson	Cape Girardeau	428	49	42.0	+ 5.4	65	9	18	3	35	50	4.37	+0.94	1.68	0	8	11	5	15	n.	L. R. Crites
Koshkonong	Oregon	958	39	43.0	+ 4.6	69	9	20	3	33	40	3.24	−0.24	0.83	0.5	9	8	6	17	sw.	R. M. Hitt
Licking(near)	Texas	1,170	3	39.6	......	69	9	16	3†	45	3	3.63	......	0.95	T.	10	13	6	12	s.	U. S. Forestry Service
Marble Hill	Bollinger	470	45	41.8	+ 5.1	68	9†	16	2	44	47	3.91	+0.27	1.18	T ¶	9	8	11	12	se.	R. A. DeWitt
Poplar Bluff	Butler	339	35	43.2	+ 5.4	68	9	18	2	42	36	4.00	+0.01	1.20	0.5	11	6	15	10	ne.	B. R. Wheetley
Rolla	Phelps	1,202	40	38.8	+ 4.2	70	9	15	3	32	56	2.89	+0.71	1.06	0.2¶	12	6	9	16	w.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	103	39.9	+ 5.0	69	9	11	3	31	103	3.21	+1.00	1.19	T.	12	8	7	16	nw.	**Section Center**
St. Louis Airport	St. Louis	556	3	38.6	......	70	9	11	3	37	9	2.69	......	1.17	T.	12	5	7	19	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	28	39.9	+ 4.8	69	9	11	3	29	28	2.24	−0.20	0.76	T	11	11	5	15	se.	St. Louis University
Salem	Dent	1,173	36	39.4	+ 4.0	70	9	15	3	36	39	3.52	+0.98	1.10	T.	8	12	3	16	s.	E. E. Martin
Sikeston	Scott	318	33	42.0	+ 4.3	63	22	19	3†	36	43	3.88	−0.06	1.13	0.5	11	8	13	10	sw.	Mrs. Hazel P. Young
Union	Franklin	520	2	40.1	......	74	9	13	3	50	23	2.98	+0.77	1.08	0	8	13	3	15	ne.	Robert Mueller
Wappapello Dam	Butler	475	1	41.0	......	67	9	18	3†	38	1	4.58	......	1.40	0.2	11	15	0	16	w.	J. E. Harns
West Plains	Howell	1,005	3	40.4	......	70	9	19	2	42	3	4.62	......	1.80	0.5	9	8	4	19	nw.	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	68	43.4	+ 5.6	65	9	20	3	33	69	2.92	−0.48	0.82	0.2	11	4	8	19	n.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**41.1**	**+ 4.8**	**74**	**9**	**10**	**3**	**50**	..	**3.66**	**+0.75**	**2.09**	**0.2**	**10**	**10**	**6**	**15**	**nw.**	
State means	**and extremes**	.....	..	**38.6**	**+ 4.4**	**78**	**9**	**− 2**	**4**	**52**	..	**2.59**	**+0.44**	**2.09**	**1.7**	**8**	**10**	**5**	**16**	**ne.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Reference letters [a], [b], [c], appearing in the table indicate number of days missing: for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for December 1940

Stations	Drainage basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Amity[2]	Grand			T.								T.	.14	T.	.04	.88	.53	T.		T.	T.					T.	T.					.06	1.65
Bethany	....do											T	.20			1.00	.26														T.		1.46
Bowling Green[2]	Mississippi											.21	.23	T.	.10	.20	.85			.10							T.	T.	T.			.21	1.90
Brunswick[2]	Grand											.08	.05	.33	.04	.11	1.13			.06							T.			T.		.45	2.25
Canton, Lock No. 20[2]	Mississippi											.04	.03	.12		.02	1.01	T.		.18	T.						T.			T.		.15	1.58
Centralia[2]	....do											*	.50				1.45			.19												.40	2.54
Chillicothe[2] (A)	Grand											.03	1.29	T.	.02																	T.	1.34
Clifton Hill	Chariton											.10	.24	.15	T.	.85	.54			.09												.86	2.83
Columbia [1]‡	Missouri										T.	.43	.02	.20	.05	1.37	.03		.10	T.							T.	T.		T.	T.	.71	2.91
Conception	....do											T.	.18	T.	T.	.88	.16									T.					T.	T.	1.22
Edgerton	Missouri			.01								.04	.20	.06	.08	.16	.32									T.	T.					.12	1.02
Edina[2]	Mississippi											T.	T.	.26		.07	.92			.15							T.					.21	1.61
Elsberry	....do											.31	.36		.04	.41	.40			.04												.14	1.70
Farber[2]	....do											.31	.20	.14	.03	.06	.16											T.				1.10	2.00
Fayette	Missouri											.35	.09	.20	T.	.87	.15		T.	.08							T.	T.				.47	2.21
Fulton[2]	....do											T.	.45	.05	.27	.06	1.01	T.		.11								T.				.45	2.40
Gallatin[2]	Grand											T.	.05	.15		.60	.63																1.43
Gorin	Mississippi											T.	.40			.90				.42										T.		.28	2.00
Grant City	Grand												.16	T.	.16	.69	.27															T.	1.28
Hannibal[3] (A)	Mississippi										T.	.19	.12	.08	T.	1.22	T.		.06	.10						T.	T.			T.		.14	1.91
Hermann[2]	Missouri											.14	.40	.02	.16	.03	.93	.03		.03												.14	1.88
Kahoka[2]	Mississippi				T.								*	.30		*	1.00			.22						T.				.03		.24	1.79
Kansas City Airport [1]‡	Missouri		T.	T.							T.	.04	.23	T.	T.	.68	T.		.01	T.					.01	.02	.07	.01	T.		T.	.61	1.68
Kansas City University	....do											.05	.31	.05	.02	.55	.02	T.		.02						.01	.04	.06	T.		.01	1.24	2.38
Kidder[2]	Grand											.01	.28	T.		.53	.76									T.						.01	1.59
King City	Missouri												.18	T.	T.	1.17	.12			.09						T.						.07	1.63
Kirksville	Mississippi											.02	.24	.04	T.	.60	.41			.17									T.			.19	1.67
LaBelle[2]	....do												.02	.18		.21	.56	T.	.19	.03												.13	1.32
Lawson	Missouri			T								.05	.28	.01	.02	1.12	.08			T						T.	.02					.03	1.61
Linneus[2]	Grand											.04	.10	T.		.45	.86	T.		T.						T.						.14	1.59
ouisiana (A)	Mississippi											*	.35	.21		.71	.35															.30	1.92
Lucerne[2]	Grand												.03	.10		.26	1.19																1.58
Macon[2]	Chariton											.10	.09	.10		.30	.69			.12	T.											.25	1.65
Madison[2]	Mississippi											.30	.04	.02	.06	.30	.82			.18								T.	T.		T.	.23	1.95
Maryville	Missouri												.21		.01	.66	.25														T.	.05	1.18
Memphis[2]	Mississippi												T.	.22		T	.75	T.		.07										T.		.50	1.54
Mexico[2]	....do											.39	.25	.05	.18	.15	1.15	.04		.16								.03				.46	2.86
Milan[2]	Grand											.02	.06	.07		.52	.65	.04														.06	1.42
Moberly	Mississippi											.19	.20	.21	T.	1.10			*	.12								T.				.42	2.24
Monroe City	....do											.30	.15			1.05				.19												.16	1.85
regon	Missouri			T.									.15	T.	.06	.77	.44									T.						T.	1.42
almyra[2]	Mississippi											T.				.11	1.10			.15						T.	T.	T.			T.	.10	1.46
aris[2]	....do											.15	.06	.13	.05	.06	1.13	T.		.17							T.					.23	1.98
erry[2]	....do											.25	.05	.10			.95			.15												.30	1.80
hiladelphia[2]	....do												.69	.10						.32										.10		.12	1.33
t. Charles[2]	Missouri											.18	.95	.04	T.	.18	1.16											.08		.10			2.69
t. Joseph[1]‡	....do		T.									T	.08	.03	.07	1.05	.06			T.					T.	T.	T.				T.	.26	1.55
averton, Lock No. 22[2]	Mississippi											.16	.09	.08	.02	.03	1.21	T.		.17							T.	T.	T.	T.	T.	.12	1.88
helbina	....do												.28	T.		.15	1.02			.21												.18	1.84
helbyville[2]	....do											*	.27	.08			.67			.18												.22	1.42
teffenville[2]	....do											.15	T.	.01	T.	T.	1.25			.18	.05								T.			.22	1.86
arkio	Missouri												.23		.09	.20	.59																1.11
renton	Grand											T.	.25			.68	.65			T.												T.	1.58
roy[2]	Mississippi											.11	.41	.12	.15	.04	.75			.08												.12	1.78
nionville[2]	Chariton												T.	.17		T.	1.11	.08															1.36
Warrenton	Mississippi											.07	.53	.10	.20	.50	.22			.15								.02	T.			.36	2.15
eokuk, Iowa [1]‡	....do				T.		T.					T.	.17	T.		1.04	T.		.06	.24						T	.02	T.	T.	.03		.28	1.84
Southwestern Division																																	
ltona[2]	Osage											.20	.12	.13	*	.25	.68			.16							.08	T.				.24	1.86
nderson (near)	Neosho										T.	.93	.11	.12	.10	.84			T.							T.	.11	T.				.26	2.47
ppleton City.	sage			.03								.26	.16	.26		.89			.15								.05	.01				.35	2.16
olivar	....do			T.								.75	.10	.41	.02	1.10	T.		.02	.06							.01	T.				.30	2.77
oonville[2] (A)	Missouri											.14	.21	.80	.16	.12	.88			.12												.37	2.80
uffalo[2]	Osage											.50	.56	.09	.18	.34	.76			.08													2.51
aplinger Mills	....do			T.							.39	.24	.07	.03	T.	.97			.05							T.	T.				T.	.30	2.05
arthage	Neosho			T.								.85	.04	.08	.02	.80			T.								.05	.02				.30	2.16
linton[4]	Osage		.02	.04							.04	.14	.15	.24	.02	1.00			.04							.04	.02	.02			.30	.28	2.35
oncordia[2]	Missouri			T.								.24	.12	.13	.10	.41	.91			.12													2.03
ldon[2]	....do			T.								.22	.31	.09	.10	.11	1.13	T.		.08								.02				.39	2.45
alena[2]	White											.06	.09	.12	.38	.16	1.25			.07								T.	T.			.30	2.43
ailey	....do											.49	.26	.34	.73	.23	T.		.02								.03	.04	.02	.04	.03	.09	2.32
arrisonville[2]	Osage			.02								.10			.16		.73										.14	.03				.10	1.28
fferson City[2]	Missouri											.25	.43	.10	.33	.18	.90			.06								T.				.38	2.63
plin[3]	Neosho			.01							.36	.32	T.	T.	.02	.80											.06				.22	.30	2.09
keside[2]	Osage			.01								.27	.42	.11	.20	.17	1.08			.07								.01				.46	2.80
mar[2]	Neosho											.45	.25	.20	T.	.22	.65										.05					.20	2.02
banon	Osage			.05								.73	.20	.30	.17	.67				.13							.02					.52	2.79
xington[2]	Missouri			T.								.08	.22	.08	.08	.48	.68			.12							.06					.28	2.08
ckwood	Osage											.78	.07	.20		.95			.03	.04							.05					.23	2.35
arshall.	Missouri											.20	.35	.40	T.	.90	.20		T.	T.						T.	T.					.26	2.31
ountain Grove	White			.07								.49	.52	.25	*	1.02	.02	T.		.06						.04	.02	.03	.03			.98	3.53
ount Vernon	Neosho			T.								.70	.10	.15	.05	1.05		T.	T.	.10								.05				T.	2.20
osho	....do										T.	.63	.12	.06	.09	.88	.01		T.								.10	.01				.21	2.11
vada	Osage			.01								.40	.20	.20	T.	.90	T.		T.								.07					.29	2.07
ceola[2]	....do			.05	T							.27	.20	.03	.15	.17	.79			.05							.04					.30	2.05
ark Beach[2]	White												.06	.63	.54	.47	.60															.91	3.21
easant Hill[2]	Osage			.02								.11	.12	.11	.04	.98	.02			.08	T.					T.	.10	.03		T.		.11	1.72
. Thomas (near)[2]	....do											.25	.53	.06	.42	.52	.85															.34	2.97
dalia	Missouri			.01								.15	.13	.15	T.	1.00	.10		T.	.03							.03	.01			T.	.60	2.21
ligman	Neosho											.33	.16	.07	.36	.77										T	T.	T.				.45	2.14
ymour (near)	White			.02								.39	.36	.13	.50	.49				.24						T.						.55	2.68
ringfield [1]‡	....do			.02							.10	.51	.03	.26	.30	.93	T.		.07							T	.01	.01	T.		.04	.35	2.63
over[2]	Missouri											.23	.20	.10	.12	.14	1.11			.07							.01					.17	2.15
eet Springs	....do			T.								.30	.19	.30	T.	1.12	.03		T.	.03							T.			T.		.36	2.33
arrensburg	Missouri											.18	.16	.30	T.	.93			.32							T.	.05					.45	2.39
arsaw (A)	Osage			.01								.31	.19	.05		1.05	T.		T.	.03							T.					.52	2.16
verly[2]	Missouri											.05	.10	T	.05	.37	.40			.10												.42	1.49

Continued on next page

Daily Precipitation for December 1940—Continued from preceding page

Stations	Drainage-basins	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southeastern Division																																	
Advance[4]	St. Francis	....	....	T.	....	....	.22	....	....	....	....	.36	.96	.15	T.	1.59	....	....	.02	.01	....	....	....	....	.04	.03	.06	.75	.03	....	T.	.48	4.70
Alton (near)	Black	....	.03	....	....	....	....	....	....	....	....	....	1.20	.43	.03	....	....	....	.55	....	....	....	....	....	....	.06	.08	.45	....	....	....	1.09	3.92
Annapolis	St. Francis	....	....	.04	....	....	....	....	....	....	....	.20	1.00	.15	.25	.89	.22	....	....	....	....	....	....	....	....	.11	T.	.41	T.	....	....	1.58	4.85
Arcadia[2]	....do	....	....	T.	....	....	....	....	....	....	....	.02	.98	.01	.14	.40	.99	....	....	.02	....	....	....	....	....	....	.03	.04	.33	T.	....	.22	3.18
Belleview	Meramec	....	....	....	....	....	....	....	....	....	....	.10	.98	.01	.14	.40	.99	....	....	....	....	....	....	....	....	....	T.	.60	....	....	....	1.56	4.78
Birch Tree(near)	Black	....	....	.03	....	....	....	....	....	....	....	.23	.98	.23	.20	.28	.29	....	....	....	....	....	....	....	....	....	....	.10	....	....	....	1.83	4.17
Bragg City[2]	St. Francis	....	....	.06	T.	....	....	.83	....	....	....	....	....	....	.67	....	1.79	....	....	.20	....	....	....	....	....	....	....	1.31	T.	....	.30	T.	5.16
Campbell	....do	....	....	.02	....	....	T.	.57	....	....	....	T.	.82	.10	....	1.10	.85	....	....	.06	....	....	....	....	....	.01	T.	1.23	....	....	....	T.	4.76
Cape Girardeau[2]	Mississippi	....	....	....	....	....	....	.06	....	....	....	T.	1.06	.06	.05	T.	.92	....	....	.03	....	....	....	....	....	....	....	.11	.58	T.	....	....	2.87
Caruthersville[2]	....do	....	....	T.	.04	....	....	.80	....	....	....	....	.22	.24	.22	....	1.42	....	....	.17	....	....	....	....	....	.05	T.	.75	.64	.12	....	....	4.67
Centerville[2]	Black	....	....	.02	....	....	....	....	....	....	....	.01	.98	.03	.17	....	1.11	....	....	....	....	....	....	....	....	.01	T.	.03	.20	....	....	.41	2.97
Crystal City	Mississippi	....	....	....	....	....	....	....	....	....	....	.87	.56	.10	.10	.89	.16	....	....	.08	....	....	....	....	....	.08	.02	.30	.03	....	....	.22	3.41
Cuba[2]	Meramec	....	....	....	....	....	....	....	....	....	....	.40	.75	....	.04	.55	....	....	....	....	....	....	....	....	....	....	....	.08	....	....	....	.05	1.87
Dexter[2]	St. Francis	....	....	.03	T.	....	....	.32	....	....	....	....	.77	.17	.02	....	2.09	....	....	.08	....	....	....	....	....	T.	.03	.59	.56	....	....	T.	4.66
Doniphan	Black	....	....	.02	....	....	.05	.03	....	....	....	.06	.68	.44	.03	.72	.06	....	T.	T.	....	....	....	....	T.	.10	T.	.81	T	....	T.	.62	3.62
Farmington	St. Francis	....	....	....	....	....	....	....	....	....	....	.21	.63	.03	.41	.30	.69	....	....	....	....	....	....	....	....	....	.03	.47	.03	....	....	.59	3.39
Fisk[2]	....do	....	....	T.	.22	....	....	.27	....	....	....	....	.84	.37	.07	.03	1.31	....	....	.09	T.	....	....	....	....	.09	T.	.31	.90	....	....	T.	4.50
Fredericktown[2]	....do	....	....	....	....	....	....	....	....	....	....	T.	1.00	....	.09	.40	.92	....	....	....	....	....	....	....	....	T.	.02	.03	.47	....	....	....	2.93
Goodland	Black	....	....	.02	....	....	....	....	....	....	....	.18	.71	.08	.35	.60	....	....	....	....	....	....	....	....	....	....	....	.30	....	....	....	.77	3.01
Greenville	St. Francis	....	....	.05	....	....	....	....	....	....	....	.06	.60	.10	.03	.90	....	....	....	.05	....	....	....	....	....	.04	....	.57	T.	....	....	.66	3.06
Jackson	Mississippi	....	....	....	....	....	....	....	....	....	....	.10	1.68	....	.06	.57	.93	....	....	....	....	....	....	....	....	.06	T.	.81	....	....	....	.16	4.37
Jerome[2]	Gasconade	....	....	.05	....	....	....	....	....	....	....	.34	.40	.09	.06	.15	.53	....	....	.03	....	....	....	....	....	....	....	.12	....	....	....	.40	2.17
Koshkonong	Black	....	....	.05	....	....	....	....	....	....	....	.50	.83	.20	.24	.45	.03	....	....	T.	....	....	....	....	....	....	T.	.30	....	....	....	.64	3.24
Leeper[2]	....do	....	....	.06	T.	....	....	....	....	....	....	....	.95	.10	.10	.05	1.00	....	....	T.	....	....	....	....	....	.10	T.	.20	.50	....	....	....	3.06
Licking (near)	Gasconade	....	....	....	....	....	....	....	....	....	....	.46	.54	.16	.62	.44	.30	....	T.	.07	....	....	....	....	....	....	T.	.06	.03	....	....	.95	3.63
Marble Hill	Mississippi	....	....	T.	....	....	....	....	....	....	....	.05	1.13	....	.08	.84	.75	....	....	....	....	....	....	....	....	.03	.02	.70	....	....	....	.34	3.94
Meramec Park[2]	Meramec	....	....	....	....	....	....	....	....	....	....	.79	1.47	.22	.68	.19	.93	....	....	.18	....	....	....	....	....	....	....	.08	....	....	....	.26	4.80
Morehouse	Mississippi	.03	....	.04	....	....	T.	.24	....	....	....	T.	.85	.32	T.	.46	.88	....	....	....	....	....	....	....	....	T.	T.	1.00	.03	....	....	T.	3.85
New Madrid[2]	....do	....	....	T.	.02	....	....	.93	....	....	....	....	.21	.43	.37	T.	1.21	....	....	.14	T.	....	....	....	....	T.	.01	.39	1.13	.36	....	T.	5.20
Owensville[2]	Gasconade	....	....	....	....	....	....	....	....	....	....	.24	.10	.14	.20	.56	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.40	1.64
Pacific[2]	Meramec	....	....	....	....	....	....	....	....	....	....	....	1.30	.15	....	....	1.15	....	....	.08	....	....	....	....	....	....	....	....	....	....	....	.30	2.98
Parma[2]	St. Francis	....	T.	T.	T.	....	....	.51	....	....	....	....	.74	.36	T.	....	1.52	....	....	.08	....	....	....	....	....	.04	....	.57	.65	....	....	....	4.47
Poplar Bluff[2] ....(A)	Black	....	....	.05	T.	....	....	.20	....	....	....	....	1.20	.33	.12	.15	.93	....	....	T.	....	....	....	....	....	.10	.05	.33	.54	....	....	....	4.00
Richwoods[2]	Meramec	....	....	....	....	....	....	....	....	....	....	1.16	1.22	.01	....	.10	1.20	....	....	.08	....	....	....	....	....	....	.10	....	.13	....	....	.26	4.26
Rolla[4]	....do	....	....	.01	....	....	....	....	....	....	.05	1.06	.08	.17	.12	.79	.01	....	.04	T.	....	....	....	....	....	....	.04	.03	T.	T.	....	.49	2.89
St. Louis:																																	
City Office[1]‡	Mississippi	....	....	....	....	....	....	....	....	....	....	1.08	.21	.06	.07	.99	T.	....	.04	.01	....	....	....	....	T.	.11	.01	.30	.01	T.	....	.32	3.21
Airport[4]‡	Missouri	....	....	....	....	....	T.	....	....	....	....	1.06	.16	.14	.01	.78	T.	....	.01	T.	....	....	....	....	.03	.06	.02	.16	.02	T.	T.	.24	2.69
St. Louis Univ.....[3]‡	Mississippi	....	....	....	....	....	....	....	....	....	....	.76	.18	.05	.03	.66	T.	....	....	....	....	....	....	....	.01	.07	.01	.20	.01	T.	....	.26	2.24
Washington Univ.[2]‡	....do	....	....	....	....	....	....	....	....	....	....	.20	1.14	.02	.06	.02	.86	....	....	.04	....	....	....	....	....	.20	....	.03	.15	....	....	.06	2.78
Salem	Meramec	....	....	T.	....	....	....	....	....	....	....	.50	.60	.06	.40	.42	.36	....	....	....	....	....	....	....	....	....	....	.08	....	....	....	1.10	3.52
Sikeston[2]	Mississippi	....	....	.05	T.	....	....	.35	....	....	....	....	.82	.25	.02	....	1.13	....	....	.03	....	....	....	....	T.	.03	....	.45	.73	....	....	.02	3.88
Union	Meramec	....	....	....	....	....	....	....	....	....	....	.55	1.08	.21	.05	.40	.43	....	....	T.	....	....	....	....	....	....	....	.02	....	....	....	.24	2.9
Valley Park[2]	....do	....	....	....	....	....	....	....	....	....	....	.26	1.18	T	.16	T.	.93	....	....	.07	....	....	....	....	....	.07	T.	T.	.17	T.	....	.07	2.9
Van Buren	Black	....	....	.05	....	....	....	....	....	....	....	T.	1.10	.33	.10	.80	T.	....	....	....	....	....	....	....	....	T.	.03	.43	....	....	....	1.34	4.1
Wappapello Dam[2]	St. Francis	....	....	.01	T.	....	....	.34	....	....	....	....	1.31	.30	.06	.02	1.40	....	....	T.	....	....	....	....	....	.15	.03	.23	.73	....	....	....	4.5
West Plains[4]	Black	....	....	.02	....	....	T.	....	....	....	....	.96	.48	.43	.33	.34	T	....	.09	....	....	....	....	....	T.	T.	T.	.17	....	....	T.	1.80	4.6
Williamsville[2]	....do	....	....	.03	.02	....	....	.05	....	....	....	.67	....	.20	.04	....	1.15	....	....	.02	....	....	....	....	....	.03	.03	.04	.93	....	....	....	3.2
Willow Sprgs. (near)[2]	White	....	....	T.	....	....	....	....	....	....	....	.07	1.02	.38	.42	.18	....	....	....	....	....	....	....	....	....	.11	T.	....	....	....	....	1.51	3.6
Zalma(near)[2]	Mississippi	....	....	.05	....	....	....	.07	....	....	....	....	*	1.40	.20	.02	1.59	....	....	.01	....	....	....	....	....	.07	.02	.07	.87	....	....	....	4.3
Cairo, Ill.[1]‡	....do	....	....	.02	....	....	.45	....	....	....	....	.04	.57	.05	T.	.82	....	....	.05	T.	....	....	....	....	....	.01	T.	.82	.08	T.	.01	T.	2.9

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Steffenville, Tarkio, Wappapello Dam, Warsaw, and Washington University(St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for December 1940

(See precipitation data in daily precipitation table)

Station	Data	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly
Lakeside (Osage Dam)	Evaporation	.084	*	*	.077	.013	.047	.101	.090	.045	.158	.031	‡‡‡‡	****	.005	.029	.031	*	*	.094	††††	.008	.030	.038	.053	.085	.039	.024	.028	.025	.048	.034	1.1
	Mean temperature	30	32	28	36	44	48	42	45	51	38	34	35	31	30	32	28	26	30	42	44	46	46	45	46	44	50	38	39	38	40	44	38
	Wind movement	110	27	75	49	70	35	107	52	15	81	52	42	65	42	36	130	160	35	55	23	41	10	14	23	89	29	64	82	85	67	49	1,8
St. Louis (Washington University)	Evaporation	.073	*	*	*	*	*	.015	.051	.042	.107	.049	.019	.020	.000	.014	.006	*	*	*	.085	.000	.020	.030	.051	.002	.000	.010	.008	.006	.032	.006	0.6
	Mean temperature	30	32	20	32	36	46	44	46	52	40	34	34	32	32	36	30	28	30	40	44	40	46	46	48	42	50	38	38	38	38	42	38
	Wind movement	97	42	111	44	64	36	87	34	26	77	71	52	93	110	60	42	87	23	36	18	25	20	16	26	46	23	106	124	52	50	31	1,7

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports respectively. * Included in next measurement. ‡‡‡‡ —.031. **** —.061. †††† —.023.

ERRATA

March 1940, page 12: Total snowfall at Warrensburg should be 5.5.

November 1940, page 51: Mean temperature at Advance and Kidder should be 43.8 and 38.2 respectively; temperature departure at Kidder should be — 3.6; total precipitation at Licking should be 3.48; greatest precipitation in 24 hours at Clinton, Mexico, Rolla, and West Plains should be 1.53, 0.80, 0.87, and 1.69 respectively; total snowfall at Anderson and Clinton should be 0.2 and 0.5 respectively; days with 0.01 inch or more at Licking should be 10; prevailing wind direction at Jefferson City, Mou Vernon, Sedalia, and Seligman should be SW, SE, NW, and SW respectively; page 5 Precipitation on 5th at Zalma should be .41, total should be 5.43; on 13th at Lickin should be .04; total should be 3.48; on 27th at Linneus should be .39, total should 3.50; page 57: Maximum temperature on 21st at Clinton should be 55, mean maximu should be 53.5; mean minimum at Caruthersville and Kidder should be 37.0 and 28 respectively; minimum temperature on 10th at Rolla should be 44.

Daily Temperatures for December 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	32	35	33	50	47	60	46	59	70	41	34	35	25	32	33	30	30	37	40	49	55	58	63	67	56	49	39	39	39	47	49	44.6
	Minimum	18	17	11	11	28	25	38	33	32	29	27	29	21	20	23	22	15	15	30	28	26	26	32	34	34	43	35	34	34	35	36	27.1
Chillicothe §§	Maximum	39	35	35	55	56	58	48	63	67	43	33	34	33	27	32	31	30	38	39	47	55	54	62	65	53	39	40	39	38	40	47	44.4
	Minimum	14	17	7	9	22	24	34	32	33	27	28	28	13	14	16	21	10	11	29	24	24	28	31	32	36	36	34	33	33	35	36	24.8
Columbia	Maximum	33	39	26	47	48	64	48	58	73	45	34	35	30	30	34	30	29	40	44	50	58	60	63	65	57	50	38	37	39	40	47	44.9
	Minimum	20	19	11	26	26	41	38	36	39	32	30	30	25	24	30	22	17	29	36	31	26	38	36	37	50	37	35	34	37	36	40	31.2
Fayette	Maximum	34	37	26	48	47	62	56	60	72	59	39	34	32	28	34	33	30	38	42	48	56	60	61	65	56	47	39	37	39	41	45	45.3
	Minimum	16	18	9	21	22	33	36	29	31	27	28	30	22	21	26	20	13	21	33	26	23	30	31	31	45	36	33	33	34	34	35	27.3
Grant City	Maximum	35	30	24	53	47	55	48	59	62	43	32	33	21	25	33	29	21	35	37	44	45	49	56	57	52	49	37	36	36	37	42	40.7
	Minimum	10	16	4	23	19	37	30	28	38	24	24	21	3	13	24	21	−1	15	32	22	19	22	32	35	40	34	32	30	30	33	34	21.0
Hannibal	Maximum	31	35	26	45	40	63	45	55	70	41	33	31	29	30	34	34	33	38	41	46	53	50	54	60	52	51	38	37	36	36	43	42.4
	Minimum	16	10	2	25	28	38	37	35	37	30	29	28	21	23	30	22	16	26	32	30	27	36	32	31	47	34	34	34	34	33	35	28.9
Kansas City Airport.	Maximum	36	35	33	54	57	57	49	62	67	42	34	34	24	27	32	30	28	39	42	50	55	61	62	64	54	49	39	43	40	42	50	41.9
	Minimum	18	19	15	31	31	43	37	37	40	29	30	24	15	21	22	18	11	27	32	30	27	35	30	40	47	35	34	32	34	35	40	29.6
Kirksville	Maximum	32	32	22	49	41	55	50	55	64	53	32	32	30	28	32	32	30	34	37	41	51	51	59	60	56	50	37	36	36	36	42	42.0
	Minimum	12	19	1	20	27	32	34	34	34	28	26	28	14	12	26	22	11	21	32	28	25	35	31	31	42	34	33	32	33	32	33	26.5
Lawson	Maximum	33	33	26	53	50	57	46	58	64	53	34	31	28	21	31	31	28	35	40	45	53	58	59	61	55	48	37	35	39	39	43	42.8
	Minimum	15	24	10	22	29	40	32	33	38	27	27	28	12	18	24	19	8	22	33	27	27	33	33	35	43	34	32	31	33	33	36	27.7
Louisiana	Maximum	42	40	26	48	41	66	65	57	70	70	45	35	..	..	..	31	35	40	43	50	55	56	58	61	57	50	42	37	40	45	43	[c]48.2
	Minimum	14	26	7	24	30	31	39	34	28	32	30	32	28	26	29	25	20	25	34	30	25	30	30	40	50	38	30	35	35	35	35	29.9
Macon§§	Maximum	31	34	32	48	43	58	45	55	67	41	33	33	25	33	33	28	31	37	40	46	51	51	59	62	52	38	38	37	38	39	46	42.2
	Minimum	14	17	4	5	23	26	35	33	33	28	27	27	17	18	21	20	13	14	29	27	25	28	30	31	32	36	33	32	32	32	34	25.0
Maryville	Maximum	32	30	25	52	49	53	44	54	60	45	35	31	20	22	30	28	18	36	36	43	47	42	52	54	50	47	37	38	38	36	41	39.5
	Minimum	11	17	7	21	22	36	29	29	35	26	26	20	4	13	22	18	0	14	32	22	22	28	33	35	37	34	31	30	31	33	34	24.4
Mexico §§	Maximum	34	40	32	48	48	64	48	61	72	43	33	34	29	33	33	29	32	39	42	51	59	60	61	65	56	50	38	39	39	41	47	45.2
	Minimum	18	19	8	9	24	25	39	34	35	29	28	29	24	23	25	22	9	11	30	30	25	26	32	32	37	48	33	33	35	34	35	27.1
Moberly	Maximum	58	42	29	47	49	57	58	57	71	63	40	36	37	30	34	32	32	38	41	43	56	57	59	62	65	62	42	38	36	40	46	47.0
	Minimum	27	15	7	21	33	36	35	32	35	27	28	27	21	20	26	21	14	23	33	30	26	31	32	46	50	42	33	34	33	32	35	29.3
Oregon	Maximum	36	33	27	52	54	57	54	61	63	52	36	32	24	24	29	28	25	38	36	48	46	48	58	59	54	49	38	42	42	39	42	42.8
	Miuimum	13	20	11	24	28	40	31	33	42	28	27	22	5	14	21	18	3	17	30	24	28	30	37	40	42	34	30	30	30	33	35	26.5
St. Charles §§	Maximum	39	42	32	55	46	61	51	59	72	48	36	37	33	37	41	31	35	39	50	55	57	66	59	64	62	52	41	41	41	40	48	47.4
	Minimum	25	27	11	12	30	33	40	36	35	33	32	22	30	29	30	27	20	24	32	33	23	31	31	32	32	40	37	36	37	37	37	30.1
St. Joseph	Maximum	35	32	30	54	53	57	45	59	62	38	33	32	17	27	31	27	25	37	36	45	50	51	59	60	51	47	37	42	38	39	46	41.8
	Minimum	17	17	12	30	32	43	36	35	38	31	30	16	9	17	22	16	8	25	28	26	26	35	37	38	45	33	32	31	32	34	37	28.0
Trenton	Maximum	33	32	29	52	45	58	49	57	63	52	42	38	30	28	32	32	25	33	36	47	56	56	60	62	55	46	41	38	37	39	48	43.6
	Minimum	13	21	5	21	23	35	33	32	32	28	27	30	10	18	25	21	9	18	30	25	24	32	25	32	37	36	33	33	34	34	33	26.1
Unionville §§	Maximum	33	31	33	50	44	60	45	57	62	37	33	32	20	29	33	27	30	34	36	44	53	55	60	60	52	43	40	37	37	35	45	41.5
	Minimum	10	10	0	−2	24	27	33	30	30	25	24	25	8	9	17	20	8	7	25	25	23	21	30	31	32	33	31	31	33	30	31	22.1
Warrenton	Maximum	41	41	28	52	47	63	59	57	71	66	40	35	35	30	35	35	35	39	46	52	56	62	61	65	59	51	41	38	39	40	45	47.2
	Minimum	20	20	9	19	25	33	39	33	33	29	31	32	28	26	29	22	16	25	36	34	26	38	30	29	48	40	35	35	35	35	35	29.8
Keokuk, Iowa	Maximum	30	32	26	48	42	58	44	54	68	40	34	33	28	31	33	33	34	37	41	43	54	49	54	57	53	49	38	37	38	36	41	41.8
	Minimum	18	9	0	26	26	42	35	38	39	30	29	28	22	19	30	24	15	29	34	30	27	34	31	33	48	35	34	33	33	33	33	28.9
Southwestern Division																																	
Clinton	Maximum	39	45	30	47	57	62	52	62	71	48	34	36	29	30	33	33	30	41	47	56	59	64	65	67	54	49	38	41	40	46	51	47.0
	Minimum	20	20	17	24	26	39	31	32	36	29	32	29	23	22	24	16	12	29	32	29	26	30	30	34	43	35	34	32	30	34	39	28.7
Eldon§§	Maximum	34	44	34	52	55	63	50	62	73	45	35	36	31	32	33	31	31	38	49	56	62	64	65	66	61	50	38	40	40	43	49	47.2
	Minimum	21	21	16	15	30	32	34	32	35	32	31	32	28	25	26	22	16	16	29	34	29	28	30	33	31	35	35	34	34	35	35	28.6
Harrisonville§§	Maximum	37	42	34	52	56	62	49	65	70	45	34	35	30	31	31	30	32	39	48	52	60	63	61	64	53	44	42	38	40	42	51	46.2
	Minimum	17	19	15	15	30	31	32	33	35	26	29	29	30	15	23	18	13	17	31	29	29	34	35	35	40	43	32	30	30	31	34	27.7
Jefferson City §§	Maximum	35	43	29	50	51	64	50	62	72	47	34	36	32	32	34	30	33	39	48	57	61	63	63	63	66	50	37	41	41	41	47	46.8
	Minimum	18	19	11	11	26	26	35	30	33	28	29	30	26	23	25	20	14	14	29	30	26	27	30	30	35	36	33	32	32	33	33	26.6
Joplin	Maximum	36	43	33	50	58	62	52	61	70	50	38	37	33	32	35	32	32	45	53	58	61	64	63	66	58	51	37	44	45	56	56	48.7
	Minimum	24	28	22	33	34	45	37	41	50	37	36	33	28	28	21	19	21	32	42	36	35	39	40	40	49	36	35	34	33	30	42	34.2
Lamar§§	Maximum	41	41	38	52	60	62	56	64	74	45	38	39	33	34	35	35	35	44	52	63	65	66	66	68	58	61	40	44	48	50	56	50.4
	Minimum	21	21	20	19	27	26	28	29	37	32	32	32	27	24	25	18	16	16	31	30	25	25	29	30	33	44	32	31	28	22	26	27.0
Lebanon	Maximum	55	48	35	61	63	67	58	68	75	61	40	37	35	31	33	34	32	37	52	64	72	71	74	68	59	51	41	48	46	54	46	52.1
	Minimum	20	21	15	23	39	39	32	30	39	31	32	32	28	27	28	19	14	23	32	32	28	35	31	39	46	39	32	31	29	30	37	30.1
Lexington§§	Maximum	36	37	33	53	54	59	47	62	70	47	34	34	24	33	33	31	31	38	41	52	57	63	63	66	55	40	39	40	38	41	48	45.1
	Minimum	17	19	12	15	30	31	35	36	37	30	29	29	19	17	22	20	13	15	30	30	29	30	36	37	38	39	34	33	33	35	36	27.9
Marshall	Maximum	36	34	28	50	51	50	46	60	71	64	39	34	34	25	33	30	27	36	42	49	57	62	65	65	63	48	39	37	39	42	44	45.2
	Minimum	17	17	12	20	28	27	33	28	28	31	29	31	21	21	20	20	13	21	27	28	28	29	34	37	43	38	24	33	35	35	35	27.2
Mountain Grove	Maximum	60	50	42	58	57	61	58	63	70	61	42	42	39	38	38	40	37	37	50	59	64	67	64	61	56	50	49	39	42	47	44	51.1
	Minimum	21	23	16	24	30	34	36	32	37	35	36	37	30	29	30	21	17	25	32	34	29	39	36	36	44	46	33	32	31	26	37	31.2
Neosho	Maximum	58	49	44	55	60	62	61	64	71	67	42	41	39	37	39	33	35	46	57	61	65	66	60	64	62	56	41	43	48	57	57	52.9
	Minimum	25	21	24	29	23	32	29	29	37	38	36	37	32	31	33	20	19	23	37	28	26	28	27	29	46	40	34	32	30	23	41	30.3
Nevada	Maximum	42	47	37	53	60	60	56	65	71	57	43	37	34	29	32	34	30	43	48	60	62	65	65	68	60	51	39	41	43	49	54	49.5
	Minimum	20	21	18	28	25	36	31	32	38	31	32	32	22	22	26	16	15	26	35	28	25	30	31	33	42	37	32	30	29	24	40	28.6
Sedalia	Maximum	36	40	30	47	54	62	57	60	72	64	39	34	32	28	34	33	32	38	45	51	58	63	63	66	63	52	39	38	40	43	50	47.2
	Minimum	18	23	14	22	30	40	35	34	40	31	30	32	24	21	26	20	12	21	34	32	27	35	33	38	42	38	33	32	32	33	37	29.6
Springfield	Maximum	38	46	31	55	55	62	50	63	71	49	42	38	33	33	37	31	33	38	53	58	62	63	60	64	52	50	38	40	44	47	47	47.8
	Minimum	22	25	18	28	29	36	32	32	40	36	36	33	30	30	26	19	17	30	35	31	29	34	35	37	47	36	33	32	29	25	38	31.0
Warrensburg	Maximum	39	40	30	51	54	61	54	61	70	57	42	35	33	26	33	32	28	37	46	53	56	62	62	66	62	52	39	39	40	44	50	46.9
	Minimum	18	23	15	23	29	39	37	35	40	31	29	31	21	21	26	19	12	21	34	29	27	34	36	38	46	37	34	32	30	34	37	29.6
Southeastern Division																																	
Arcadia §§	Maximum	37	52	34	56	56	56	54	61	69	60	40	48	36	34	45	32	37	40	52	65	61	70	62	62	50	53	41	40	41	49	48	49.7
	Minimum	25	16	16	16	26	27	35	24	28	37	35	35	31	29	29	27	19	19	25	29	21	20	25	25	33	47	38	36	35	33	33	28.2
Birch Tree(near)	Maximum	54	48	40	53	57	57	54	63	68	63	46	53	44	35	41	41	41	40	52	63	63	68	65	63	58	53	51	42	52	46	45	52.2
	Minimum	23	25	25	23	25	30	35	29	30	35	35	40	30	29	31	23	18	31	35	40	24	25	29	31	36	31	36	34	32	32	36	30.3
Caruthersville§§	Maximum	44	48	36	59	57	62	58	57	70	64	62	65	44	44	51	42	41	49	49	48	57	63	53	52	55	55	52	45	52	53	60	53.1
	Minimum	33	22	23	22	25	29	34	31	30	36	40	39	40	38	36	34	27	25	31	37	33	26	28	35	40	49	50	42	39	32	30	33.4
Crystal City	Maximum	42	46	32	57	46	62	56	60	70	54	37	40	37	33	43	41	36	39	53	61	55	64	54	65	55	52	47	40	43	42	49	48.7
	Minimum	25	15	13	22	24	22	39	26	23	31	32	34	31	30	31	27	21	23	35	29	22	24	24	28	48	46	38	38	36	36	37	29.4
Doniphan	Maximum	58	51	43	57	59	57	60	61	69	63	51	62	52	42	45	45	43	41	60	66	63	69	63	61	53	57	55	48	52	53	46	55.0
	Minimum	29	16	20	24	24	22	32	23	25	35	40	44	36	33	35	29	19	25	36	27	24	22	24	28	48	50	41	38	39	24	37	30.6
Farmington	Maximum	61	49	42	55	55	57	55	59	67	67	46	43	40	37	45	51	33	41	53	61	58	64	60	62	63	62	53	44	40	43	47	52.0
	Minimum	25	19	15	23	29	31	39	27	30	37	34	34	32	30	31	27	20	25	34	32	29	30	27	31	46	42	39	37	36	35	35	31.0
Jackson	Maximum	57	43	42	50	49	55	62	54	65	61	48	49	48	38	54	58	36	41	54	56	54	61	60	58	56	55	53	42	43	45	47	51.4
	Minimum	30	19	18	22	28	31	41	26	30	38	38	40	36	32	35	30	24	24	37	31	30	26	28	32	49	49	41	39	37	37	36	32.7
Poplar Bluff	Maximum	56	48	40	53	59	58	58	58	68	60	58	59	60	41	49	47	40	41	55	65	61	67	62	56	53	56	55	45	52	53	46	54.2
	Minimum	29	18	20	23	26	25	36	25	29	39	41	44	37	34	36	31	21	24	35	31	26	25	29	31	49	50	42	41	39	26	38	32.3
Rolla	Maximum	35	45	27	55	53	61	49	60	70	48	34	37	32	30	34	31	31	39	50	58	61	64	64	60	53	51	38	38	38	42	48	46.3
	Minimum	20	22	15	27	30	35	33	31	38	32	32	32	28	28	29	22	16	27	34	36	31	41	36	36	47	36	35	34	34	33	39	31.3
St. Louis	Maximum	32	40	26	53	44	60	51	55	69	52	38	38	36	34	43	37	37	39	52	56	56	62	56	61	52	52	41	39	40	40	47	46.4
	Minimum	26	18	11	25	33	35	41	38	38	36	32	35	31	30	34	26	21	30	36	38	33	40	40	34	50	41	37	36	36	37	37	33.4
Salem	Maximum	58	48	33	56	52	60	55	60	70	56	45	39	37	33	37	35	33	39	51	58	59	63	61	61	56	51	48	37	39	46	42	49.0
	Minimum	22	19	15	22	26	36	36	26	34	34	33	33	30	26	30	23	18	24	34	31	24	31	26	28	46	47	35	34	34	32	38	29.9
Sikeston §§	Maximum	38	47	30	55	53	59	59	54	62	55	56	60	40	46	59	39	40	43	60	56	55	63	62	58	60	55	46	44	47	50	53	51.7
	Minimum	31	20	19	19	27	29	34	30	35	34	38	39	37	33	35	33	25	25	26	39	30	28	29	33	35	43	45	39	38	37	37	32.3
Union	Maximum	53	46	33	59	51	65	60	63	74	69	45	38	38	33	39	37	38	40	53	62	62	68	65	68	59	53	46	40	41	45	50	51.4
	Minimum	23	17	13	24	22	24	39	25	24	32	32	34	30	28	30	24	18	27	34	25	23	24	26	25	48	44	36	35	35	35	36	28.8
West Plains	Maximum	42	50	30	61	60	57	54	64	70	54	47	54	38	35	41	35	39	40	55	57	66	68	61	61	50	52	44	43	48	50	46	50.7
	Minimum	22	19	21	26	29	26	29	25	29	33	40	37	34	32	33	24	20	24	31	30	26	26	26	29	47	42	38	36	31	25	39	30.0
Cairo, Ill.	Maximum	39	44	29	55	49	58	53	53	65	56	49	60	40	39	59	46	36	44	58	53	53	59	60	62	55	55	53	43	44	46	57	50.7
	Minimum	28	24	20	22	34	36	45	36	40	44	38	40	36	34	39	32	26	28	39	38	33	28	37	41	51	50	43	40	38	38	38	36.0

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

VOL. XLIV ANNUAL SUMMARY 1940 No. 13

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The year 1940 was ushered in by a long drawn out period of low temperatures and almost continuous snow cover, and January, with a mean temperature of 15.5° for the State, was the coldest month of record in Missouri. No temperature extreme records were broken, but the weather was persistently cold throughout the month. During February there was an unusual amount of cloudiness, with frequent precipitation, although the amount for the month was slightly below normal. Farming operations were at a standstill, and practically no preparations for spring plowing and planting had been made. This was followed by fairly well distributed precipitation during March, which produced sufficient topsoil moisture for immediate needs, and fair progress was made by winter grains, pastures and ranges.

The important features of April were the severe freeze on the 12th and 13th, and the destructive storms of the 30th in the southern and southeastern portions of the State. Crops were making satisfactory progress at the close of the month, and continued to make good progress during May, although they were not advanced as far as usual due to late planting and cool weather; first cuttings of alfalfa were made during latter half of month.

June was a normal month, and growing conditions were generally good. All crops showed steady improvement, and gardens and truck crops were best in years.

July began with cool and pleasant weather, but the latter half was extremely warm. Drought conditions were general throughout the month but were intensified during latter half, and water supplies were becoming scarce in some localities. Heat prostrations were numerous, and a number of deaths were attributed, either directly or indirectly, to the prolonged heat. This drought was the most severe since the great drought of 1936. However, the condition was relieved by moderate to locally heavy rains during the first week of August, and the drought and hot spell were definitely broken by much cooler weather and general soaking rains that began on the 8th. Crops, pastures and garden truck made rapid recovery after these rains, and additional precipitation and moderate temperatures during balance of the month were very favorable for all growing crops. Some seeding of winter wheat for fall pasturage was accomplished during latter part of month, and diminishing water supplies were replenished.

September was unusually dry and was the second driest September of record (1888–1940). The abundant rainfall of August did not permit the full effect of this dryness to be felt, however, until the latter part of the month, when preparation of soil and seeding of winter grains were retarded by the dry weather. Dry conditions, with abnormally warm weather, continued through October and more rain was needed by end of month. This lack of moisture was an adverse feature of the month, although the warm, open type of weather was ideal for all seasonal outdoor activities. Hauling of water for domestic and live stock use became necessary in many localities. Mild conditions continued until November 11th, when a severe cold wave swept the State, and cold weather continued to the 17th. During this period temperatures averaged from 20° to 25° below normal and readings were more like those of mid-January.

(Continued on page 68)

CONDENSED STATE SUMMARY FOR 1940

Month	Temperature				Precipitation				
	Mean	Departure from Normal	Maximum	Minimum	Mean	Departure from Normal	Greatest	Least	No. Days with .01 or more
January	15.5	−15.2	55	−28	1.35	−1.04	2.79	0.52	8
February	33.5	+ 0.4	78	−11	1.59	−0.49	6.84	0.17	9
March	43.1	− 0.9	89	0	2.44	−0.80	5.23	0.97	8
April	54.0	− 1.1	92	15	4.41	+0.47	8.96	1.28	11
May	62.7	− 1.8	95	30	2.44	−2.29	5.75	0.32	8
June	73.5	− 0.1	98	44	4.36	−0.28	8.61	1.40	8
July	77.7	− 0.3	111	45	1.58	−2.05	6.06	0.00	4
August	75.6	− 0.9	107	45	5.78	+1.94	12.31	2.25	12
September	68.8	− 0.6	100	28	0.69	−3.29	4.07	0.00	3
October	63.0	+ 5.4	94	28	1.73	−1.11	4.48	0.16	6
November	42.2	− 2.1	83	− 2	3.46	+0.77	6.75	1.28	9
December	38.6	+ 4.4	78	− 2	2.59	+0.44	5.20	1.02	8
Year	54.0	− 1.1	111	−28	32.42	−7.71	12.31	0.00	94

COMPARATIVE ANNUAL DATA FOR MISSOURI

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average Northern Division	Average Southwestern Division	Average Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	52.9	111	−32	40.40	39.67	41.36	40.17	....	81	....	....	....
1889	54.3	107	− 9	38.19	36.97	40.35	37.26	....	85	....	....	....
1890	54.7	110	−19	39.51	31.07	42.08	45.39	....	82	....	....	....
1891	53.9	104	−13	37.18	37.28	37.71	36.54	....	93	....	....	....
1892	52.8	102	−31	44.77	41.62	47.88	44.80	....	92	141	95	130
1893	52.7	107	−20	39.17	35.42	38.99	43.10	....	77	155	117	93
1894	55.1	111	−35	34.61	26.97	38.27	38.58	15.4	73	170	120	75
1895	52.9	106	−26	40.03	36.74	43.42	39.92	23.7	85	161	108	96
1896	55.5	108	−10	40.37	39.65	39.79	41.68	12.6	86	154	111	101
1897	55.0	108	−16	40.56	35.18	37.46	49.03	19.5	86	167	104	94
1898	54.4	104	−20	54.26	51.87	54.12	56.80	18.6	102	162	102	101
1899	54.0	108	−32	37.93	36.34	36.81	40.64	28.8	82	166	110	89
1900	55.6	105	−16	39.00	35.73	39.57	41.70	18.5	90	171	106	88
1901	55.5	116	−29	25.86	23.36	26.56	27.66	19.2	72	190	98	77
1902	54.1	103	−17	45.01	42.71	48.98	43.33	16.7	103	159	103	103
1903	53.6	102	−25	40.63	38.78	42.79	40.31	16.5	96	170	96	99
1904	53.2	100	−23	42.06	41.59	42.43	42.16	18.8	89	180	99	87
1905	53.6	103	−40	47.00	39.82	51.84	49.35	22.3	97	174	91	100
1906	55.0	101	−13	39.43	30.26	38.78	49.25	28.2	98	165	89	111
1907	55.4	109	−15	40.91	37.01	41.92	43.81	12.8	95	173	82	110
1908	56.8	102	−10	43.81	37.66	47.24	46.54	9.7	91	184	92	90
1909	55.8	110	−20	45.27	44.94	42.95	47.92	18.3	92	173	90	102
1910	54.6	109	−24	37.81	31.96	37.99	43.48	17.2	82	183	81	101
1911	56.7	113	−19	37.43	38.04	37.92	36.33	15.2	88	166	86	113
1912	53.5	105	−36	38.99	32.53	38.82	45.62	39.6	81	192	80	94
1913	56.5	110	−12	38.20	33.14	35.96	45.50	26.0	87	174	80	111
1914	56.1	109	−18	34.68	32.21	36.43	35.41	26.4	81	171	86	108
1915	55.0	102	−24	49.84	48.57	51.74	49.22	25.3	98	160	86	119
1916	55.3	109	−29	40.62	38.58	41.08	42.19	18.2	87	191	77	98
1917	52.6	107	−23	32.21	28.70	31.92	36.01	13.9	80	186	83	96
1918	55.4	111	−25	37.69	32.60	37.19	43.29	27.2	84	185	80	100
1919	55.3	106	−23	40.27	36.73	40.46	43.62	10.2	86	181	81	103
1920	54.3	105	−10	37.56	33.62	38.66	40.40	15.4	89	171	82	113
1921	58.2	109	− 8	44.70	39.16	46.40	48.54	11.1	92	173	93	99
1922	56.8	108	− 6	39.68	37.50	41.64	39.90	8.2	85	192	80	93
1923	55.3	108	−11	42.18	33.43	42.47	50.64	8.6	98	165	88	112
1924	53.0	106	−28	40.03	35.28	44.39	40.41	28.3	92	173	91	102
1925	55.6	110	−15	39.15	38.83	36.81	41.82	16.4	84	171	94	100
1926	54.5	108	−20	42.92	42.35	43.85	42.57	23.2	95	160	86	119
1927	55.6	102	−24	55.53	42.03	59.85	64.70	13.4	101	163	91	111
1928	55.2	102	−18	45.88	41.22	46.01	50.40	6.8	90	174	94	98
1929	53.5	105	−23	46.72	44.13	45.56	50.48	22.3	102	155	93	117
1930	55.9	114	−31	31.38	26.71	34.90	32.53	17.6	75	194	84	87
1931	58.0	110	− 5	40.31	41.10	38.85	40.97	14.2	93	175	82	108
1932	55.6	109	−21	38.24	35.88	36.74	42.09	16.0	85	178	93	95
1933	57.3	108	−22	37.62	29.65	37.05	46.16	8.0	86	175	95	95
1934	57.4	117	−26	35.08	30.66	34.92	39.66	23.0	82	187	89	89
1935	55.0	110	−12	48.04	42.33	49.12	52.66	5.0	106	144	89	132
1936	56.3	118	−25	29.42	26.48	30.03	31.73	15.8	73	196	86	84
1937	54.5	105	−15	37.30	29.85	36.16	45.89	15.3	93	160	96	109
1938	58.4	110	− 9	41.00	36.86	42.36	43.83	10.0	92	182	90	93
1939	57.4	108	− 9	38.25	36.16	35.92	42.68	23.3	93	181	96	88
1940	54.0	111	−28	32.42	28.22	34.22	34.84	25.1	94	159	94	113
....	....	...	....	.....	.....	.....	.....	....	..	...	..	...
Period	55.1	118	−40	40.13	36.32	40.88	43.20	18.0	89	172	92	101

Natural History Library

Climatological Data for Year 1940

Stations	Counties	Elevation, feet	Temperature (Degrees Fahrenheit)						Precipitation (inches)							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total	Greatest monthly	Month	Least monthly	Month	Total snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy	
Northern Division																				
Bethany	Harrison	916	46	50.9	103	July 25	−18	Jan. 19	48	26.79	6.11	June	0.29	Sept.	23.0	67	184	64	118	se.
Brunswick	Chariton	652	60	52.4	105	July 25†	−20	Jan. 19	62	34.79	10.55	Aug.	0.17	Sept.	33.9	107	194	47	125	nw.
Canton, Lock & Dam 20	Lewis	488	3	51.1	103	July 25	−16	Jan. 19	11	26.71	6.35	Aug.	0.15	Sept.	21.8	102	160	85	121	se.
Chillicothe	Livingston	779	32	52.1	106	July 25	−16	Jan. 19	35	23.70	3.77	June	0.22	Sept.	29.5	82	196	55	115	se.
Clifton Hill	Randolph	731	42	51.8	104	July 25	−19	Jan. 19	32	29.25	8.01	Aug.	0.22	Sept.	41.5	98	143	96	127	sw.
Columbia	Boone	740	51	53.9	101	July 29	−15	Jan. 19	51	33.93	6.64	Aug.	0.32	Sept.	20.2	104	111	140	115	s
Conception	Nodaway	980	52	51.1	104	July 27	−22	Jan. 18	57	31.24	7.29	Aug.	0.23	Sept.	39.7	78	132	129	105	nw.
Edgerton	Platte	856	21	52.5	103	July 25	−20	Jan. 26	30	32.02	5.99	Aug.	0.51	Sept.	33.5	84	194	26	146	s.
Elsberry	Lincoln	449	10	52.9	102	July 28	−14	Jan. 19	10	26.83	7.60	June	0.00	Sept.	10.8	71	143[b]	133[b]	88[b]	n.
Fayette	Howard	760	61	52.8	102	July 25	−18	Jan. 19	58	27.17	5.24	Aug.	0.12	Sept.	30.5	91	197	52	117	nw.
Fulton	Callaway	818	53	52.3	104	July 29	−17	Jan. 19	49	31.80	7.06	June	0.25	Sept.	27.3	90	179	79	108	nw.
Grant City	Worth	1,134	87	50.8	105	July 25	−19	Jan. 18†	49	26.48	6.47	Aug.	0.76	Sept.	46.0	75	130	110	126	sw.
Hannibal	Marion	759	49	51.9	102	July 25†	−17	Jan. 18†	57	25.46	4.97	Aug.	0.05	July	24.9	94	124	82	160	sw.
Kansas City Airport	Jackson	741	52	54.3	102	July 29	−12	Jan. 18	52	32.55	6.48	Aug.	0.80	July	22.0	96	104	112	150	sw.
Kansas City University	Jackson	908	3	53.9	103	July 29	−14	Jan. 18	3	36.89	7.56	Aug.	0.51	July	24.2	108	136	124	106	s.
Kidder	Caldwell	1,020	49	51.8	104	July 25	−17	Jan. 25	53	30.87	5.05	June	0.09	Sept.	25.2	87	198	43	125	nw.
Kirksville	Adair	969	52	51.7	105	July 25	−15	Jan. 18†	59	29.64	4.99	April	0.95	July	33.6	94	133	138	95	nw.
Lawson	Ray	1,070	3	52.4	104	July 25	−16	Jan. 25	3	30.98	7.05	Aug.	0.03	Sept.	39.1	96	127	134	105	nw
Louisiana	Pike	469	47	52.9	104	July 29	−18	Jan. 19	60	21.33	5.80	Aug.	0.09	July	15.7	71	186	87	93	w.
Macon	Macon	875	42	51.2	103	July 25†	−19	Jan. 19	48	27.73	5.29	Aug.	0.30	Sept.	30.8	87	182	69	115	sw.
Maryville	Nodaway	1,169	51	50.7	105	July 25	−20	Jan. 25	47	26.14	4.73	Aug.	0.57	Sept.	43.7	91	162	50	154	se.
Memphis	Scotland	787	2	49.8	105	July 25	−18	Jan. 19	11	27.61	6.80	Aug.	0.20	Sept.	39.0	84	158	40	168	nw.
Mexico	Audrain	800	52	52.7	103	July 28†	−15	Jan. 19	63	31.35	6.63	June	0.18	Sept.	27.6	93	211[b]	56[b]	97[b]	nw.
Moberly	Randolph	875	4	52.9	104	July 25	−16	Jan. 19	4	25.99	5.73	Aug.	0.38	July	26.0	65	187	94	85	s.
Oregon	Holt	1,048	85	52.7	106	July 25	−18	Jan. 18†	85	28.65	4.57	June	0.69	Sept.	46.0	78	198	93	75	ne.
St. Charles	St. Charles	520	53	51.7	107	July 29	−14	Jan. 19	63	25.81	4.43	May	0.12	Sept.	17.0	70	195	97	74	s.
St. Joseph	Buchanan	957	31	52.9	103	July 25	−15	Jan. 18	69	31.72	7.13	Aug.	0.78	Sept.	37.4	106	134	103	129	s.
Steffenville	Lewis	650	43	51.9	106	July 25	−16	Jan. 19	48	27.01	5.63	Aug.	0.05	Sept.	23.5	88	138	130	98	s.
Tarkio	Atchison	916	38	50.2	108	July 25	−19	Jan. 18	47	33.18	7.68	Aug.	0.69	Sept.	55.5	85	135	90	141	se.
Trenton	Grundy	822	45	52.6	107	July 25	−15	Jan. 18†	46	31.66	4.75	Aug.	0.78	Sept.	26.9	90	168	103	95	s.
Unionville	Putnam	1,062	48	50.7	106	July 25	−18	Jan. 19	48	28.03	5.16	Aug.	0.23	Sept.	26.0	75	209	41	116	sw.
Warrenton	Warren	816	59	53.7	100	July 29†	−16	Jan. 19	51	30.17	7.16	June	0.19	Sept.	26.0	94	97	146	123	sw.
Keokuk, Iowa	Lee, Iowa	574	69	51.9	104	July 25	−13	Jan. 19	69	24.78	6.11	Aug.	0.04	Sept.	18.5	102	118	99	149	sw.
Division means	**and extremes**	......	..	**52.2**	**108**	**July 25**	**−28**	**Jan. 26**	..	**28.22**	**10.55**	**Aug.**	**0.00**	**July Sept.**	**30.0**	**87**	**159**	**89**	**118**	**nw.**
Southwestern Division																				
Anderson(near)	McDonald	1,000	37	55.5	98	July 30†	−10	Jan. 8	42	43.87	8.96	April	0.55	Jan.	11.2	85	169	93	104	sw.
Appleton City	St. Clair	813	46	53.7	103	July 29	−19	Jan. 19	49	30.85	6.61	June	0.01	July	25.5	92	184	37	145	sw.
Bolivar	Polk	1,071	38	55.1	102	July 31†	−14	Jan. 19	46	31.77	7.79	Aug.	0.57	July	18.7	96	161	94	111	sw.
Boonville	Cooper	650	3	52.4	102	July 30	−15	Jau. 19	61	31.91	7.63	Aug.	0.44	Sept.	27.6	100	172	68	126	se.
Clinton	Henry	786	48	54.1	102	July 29	−19	Jan. 19	54	35.11	6.32	June	0.76	Sept.	33.5	117	..	..	..	......
Eldon	Miller	934	46	53.2	105	July 31	−15	Jan. 19	42	28.44	6.14	Aug.	0.26	July	33.3	95	133[g]	106[g]	120[g]	sw.
Harrisonville	Cass	904	63	53.0	102	July 29	−15	Jan. 19	66	33.33	7.20	June	0.02	July	24.0	88	120[e]	74[e]	167[e]	sw.
Jefferson City	Cole	557	51	52.3	102	July 29†	−16	Jan. 19†	59	31.65	8 27	Aug.	0.05	Sept.	32.7	101	185	64	117	w.
Joplin	Jasper	1,008	19	....	95	July 30†	..	....	36	41.64	9.07	Aug.	1.11	Jan.	....	91	..	..	..	......
Lakeside	Miller	595	10	54.0	103	Aug. 1	−9	Jan. 19	10	27.83	5.93	Aug.	0.11	Sept.	....	98	..	..	..	sw.
Lamar	Barton	980	53	54.7	101	July 18	−13	Jan. 19	60	32 14	6.98	Aug.	0.93	Jan.	19.0	84	189	78	99	sw.
Lebanon	Laclede	1,265	53	54.0	100	July 30	−14	Jan. 19	54	39.49	10.54	Aug.	0.40	Sept.	26.0	97	110	145	111	sw.
Lexington	Lafayette	688	56	53.8	103	July 29	−13	Jan. 19	57	30 99	5.46	Aug.	0.12	Sept.	31.9	105	186	87	93	w.
Lockwood	Dade	1,078	35	54 9	99	July 18†	−12	Jan. 19	45	33.16	5.96	Aug.	0.66	Sept.	28.5	92	169	122	75	sw.
Marshall	Saline	779	54	53.4	101	July 29†	−17	Jan 19	51	33.44	8.58	Aug.	0.34	Sept	40.0	89	221	81	64	sw.
Mountain Grove	Wright	1,463	40	54.8	99	July 30†	−12	Jan. 19	44	32.48	5.75	April	1.22	Sept.	29.9	113	113	182	71	se.
Mount Vernon	Lawrence	1,174	29	55.7	100	July 18	−11	Jan. 19	41	40.55	6.70	Aug.	1.30	Sept.	21.5	84	100[a]	154[a]	111[a]	se.
Neosho	Newton	1,011	54	56.1	96	July 18†	−10	Jan. 8†	58	39.31	8.28	Aug	0.95	Jan.	9.0	101	171	87	108	s.
Nevada	Vernon	862	48	55.8	103	July 31	−14	Jan. 19	49	33 27	6.64	Aug.	0.80	July	22.0	97	204	48	114	sw.
Sedalia	Pettis	910	28	54.6	103	July 31	−15	Jan. 19	30	34.45	6.78	Aug.	0.70	Sept.	33.1	112	182	75	109	nw.
Seligman	Barry	1,542	40	55.2	92	July 29†	−11	Jan. 18	38	38.23	6.56	April	0.68	Jan.	18.8	81	164[p]	92[p]	94[p]	sw.
Seymour(near)	Webster	1,642	35	53.6	95	July 30	−13	Jan. 19	35	36.67	7.13	Aug.	0.91	Jan.	28.7	85	167	74	125	se.
Springfield	Greene	1,301	53	53.8	97	July 10†	−12	Jan. 5	53	33.60	5.36	Aug.	0.89	Jan.	25.8	109	127	82	157	se.
Versailles	Morgan	1,037	14	....	100	July 25†	−16	Jan. 19	17	.....	....	....	....	....	....	..	..	..	..	......
Warrensburg	Johnson	878	54	54.6	105	July 29	−16	Jan. 19	61	32.51	6.54	Aug.	0.14	July	44.5	97	161	77	128	se.
Warsaw	Benton	687	40	55.0	108	July 25†	−17	Jan. 19	46	32.15	6.85	Aug.	0.14	Sept.	27.8	99	166	97	103	sw.
Division means	**and extremes**	.....	..	**54.4**	**108**	**July 25†**	**−19**	**Jan. 19**	..	**34.22**	**12.31**	**Aug.**	**0.00**	**July Sept.**	**26.2**	**96**	**159**	**97**	**110**	**sw.**
Southeastern Division																				
Advance	Stoddard	354	4	55.1	99	Sept. 22	−8	Jan. 19	4	36.43	7.02	April	0.42	Sept.	16.2	101	..	..	..	sw.
Arcadia	Iron	926	60	53.4	102	July 30	−11	Jan. 19	63	34.99	5.73	April	0.74	Sept.	14.3	112	179	71	116	......
Birch Tree(near)	Shannon	1,000	46	55.0	101	July 31	−9	Jan. 19	47	35.10	7.95	Aug.	0.53	Sept.	23.0	77	215	65	86	......
Campbell	Dunklin	314	15	58.3	99	July 31	−5	Jan. 19	15	41.87	6.26	April	0.42	Oct.	20.2	101	174	117	75	s.
Caruthersville	Pemiscot	265	45	57.5	99	July 30	−5	Jau. 26	49	41.88	6.38	April	0.72	Sept.	21.4	97	231[b]	28[b]	105[b]	e.
Crystal City	Jefferson	420	7	54.0	103	July 29	−14	Jan. 19	7	27.24	4.06	Aug	0.47	Sept.	15.9	90	99[r]	92[r]	157[r]	w.
Doniphan	Ripley	344	37	56.6	100	July 31	−7	Jan. 19	37	43.55	8.69	April	0.96	Oct.	13.3	84	219	46	101	sw.
Farmington	St. Francois	896	20	55.7	103	July 29†	−11	Jan. 19	44	31.66	6.50	April	0.55	Sept.	17.2	101	137	100	129	s.
Goodland	Iron	1,000	48	53.0	101	July 29†	−12	Jan. 19	48	41.49	8 92	Aug.	0.61	July	23.6	90	176	87	103	n.
Greenville	Wayne	381	32	55.9	101	July 30	−6	Jan. 19	34	34.15	7.05	April	0.57	Oct.	20.5	72	137	121	108	se.
Jackson	Cape Girardeau	428	50	55.9	98	July 29†	−8	Jan. 19	51	37.61	6.92	April	1.13	Oct.	26.0	71	175	108	83	n.
Koshkonong	Oregon	958	40	56.2	96	July 29†	−9	Jan. 19	41	40.68	9.13	Aug.	0.52	Sept.	16.6	98	153[e]	87[e]	121[e]	sw.
Licking(near)	Texas	1,170	4	53.8	100	July 28	−13	Jan. 5†	4	36.47	7.00	Aug.	0.35	Sept.	26.5	106	196	85	85	s.
Marble Hill	Bollinger	470	46	56.3	104	July 30	−9	Jan. 19	48	39.10	7.02	April	0.64	Oct.	16.5	82	155	127	84	sw.
Poplar Bluff	Butler	339	36	57.0	99	July 30	−7	Jan. 19	37	39.99	7.96	April	0.57	Sept.	18.6	90	197	99	70	w.
Rolla	Phelps	1,202	41	53.8	98	July 29†	−14	Jan. 19	57	31.83	6.56	June	0.20	Sept.	22.6	120	..	..	..	s.
St. Louis:																				
City Office	St. Louis City	465	104	55.8	102	July 29	−12	Jan. 19	104	25.00	4.11	Aug.	0.03	Sept.	12.8	103	131	104	131	sw.
St. Louis Airport	St. Louis	556	4	54.0	102	July 29	−14	Jan. 19	10	24.73	3.49	April	T.	Sept.	14.3	102	102	87	177	nw.
St. Louis University	St. Louis City	578	29	55.5	101	July 25†	−12	Jan. 19	29	19.08	2.93	April	0 18	Sept.	15.2	99	202	73	91	nw.
Washington Univ.	St. Louis	536	3	54.2	102	July 29	−14	Jan. 19	3	26.05	3.64	June	0.09	Sept.	....	94	..	..	..	......
Salem	Dent	1,173	37	53.4	98	July 29†	−13	Jan. 19	40	38.07	7.02	April	0.58	July †	23.5	102	180	82	104	s.
Sikeston	Scott	318	34	56.7	111	July 29	−8	Jan. 19	44	46.21	7.39	April	0.56	Oct.	24.4	94	131	190	45	ne.
Union	Franklin	520	3	54.8	104	July 29†	−14	Jan. 19	24	27.54	4.68	Aug.	0.30	Sept.	20.8	84	170[a]	64[a]	131[a]	ne.
Wappapello Dam	Butler	475	2	56.0	99	July 30	−7	Jan. 19	2	36.07	6.41	April	0.50	Sept.	20.7	99	216	51	99	s.
West Plains	Howell	1,005	4	54.3	100	July 30	−9	Jan. 19	4	32.57	7.11	April	0.61	Feb.	15.4	95	..	..	..	s.
Cairo, Ill	Alexander, Ill	315	69	57.0	96	July 31	−6	Jan. 19	70	34.06	7.92	April	0.73	Oct.	14.9	113	103	102	161	s.
Division means	**and extremes**	......	..	**55.4**	**111**	**July 29**	**−14**	**Jan. 19**	..	**34.84**	**9.13**	**Aug.**	**0.00**	**Sept.**	**19.0**	**94**	**162**	**94**	**110**	**s.**
State means	**and extremes**	......	..	**54.0**	**111**	**July 29**	**−28**	**Jan. 26**	..	**32.42**	**12.31**	**Aug.**	**0.00**	**July Sept.**	**25.1**	**94**	**159**	**94**	**113**	**sw.**

† Also on other dates ¶ Estimated * Partially estimated

[a], [b], [c], indicate the number of days missing from records, a, 1; b, 2; c, 3; etc.

Monthly and Annual Mean Temperatures for the Year 1940, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northern Division																										
Bethany	8.4	−16.4	27.8	+ 0.3	38.2	− 2.1	50.6	− 0.9	59.8	− 2.7	72.5	+ 0.5	77.6	+ 1.3	73.2	− 1.8	68.4	+ 1.3	62.2	+ 7.4	39.0	− 3.8	33.6	+ 3.5	50.9	− 1.1
Brunswick	10.2	−16.5	30.1	+ 0.8	40.0	− 1.9	52.0	− 2.2	61.7	− 2.5	73.8	+ 0.8	79.4	+ 3.8	75.6	+ 1.4	69.2	+ 2.2	61.6	+ 6.8	39.2	− 2.4	35.8	+ 5.2	52.4	− 0.5
Canton, Lock & Dam No. 20	11.4	......	29.2	......	37.4	......	50.0	......	60.0	......	73.4	......	77.3	......	73.7	......	66.8	......	60.2	......	39.0	......	35.1	......	51.1	......
Chillicothe	9.4	−15.0	29.3	− 3.0	39.2	− 2.5	52.0	0.0	61.6	− 1.3	73.0	+ 0.7	79.2	+ 2.2	75.4	− 0.1	70.1	+ 2.6	63.1	+ 8.1	38.8	− 2.5	34.6	+ 4.7	52.1	− 0.5
Clifton Hill	9.6	−18.5	30.8	+ 0.6	40.2	− 2.0	50.8	− 2.7	59.5	− 4.1	71.6	− 0.8	77.2	+ 0.8	74.4	− 1.6	68.7	+ 0.1	62.0	+ 5.3	40.0	− 3.4	36.6	+ 5.6	51.8	− 1.7
Columbia	14.0	−16.9	32.7	+ 0.8	42.3	− 0.6	54.0	− 0.8	62.4	− 2.6	74.0	+ 0.6	78.8	+ 1.5	76.6	+ 0.3	69.2	− 0.2	63.6	+ 6.7	41.4	− 2.7	38.0	+ 4.0	53.9	− 0.9
Conception	6.6	−18.1	26.5	− 1.7	38.6	− 1.2	51.1	− 1.1	61.8	− 0.3	72.8	+ 1.3	78.6	+ 2.0	72.6	− 2.1	69.2	+ 2.0	64.0	+ 8.6	38.5	− 2.9	32.4	+ 3.2	51.1	− 0.9
Edgerton	10.6	−16.3	30.6	− 3.7	41.2[c]	− 2.0	51.8[a]	− 2.0	61.5[c]	− 1.5	73.0	+ 1.1	79.1	+ 3.0	74.4[a]	− 0.7	68.4	+ 0.5	63.8	+ 7.5	39.5	− 2.3	36.1[a]	+ 5.7	52.5	− 0.9
Elsberry	13.8	−17.8	33.2	− 0.6	41.6	− 1.9	53.0	− 0.6	60.6[a]	− 4.1	73.6	− 0.8	76.3	− 3.1	75.8[a]	− 0.7	66.5	− 2.8	61.0	+ 3.5	41.3	− 2.1	37.6	+ 3.2	52.9	− 2.3
Fayette	12.8	−14.2	32.4	+ 1.8	41.4	− 0.5	53.4	− 0.8	61.5	− 2.3	72.7	− 0.1	77.4	+ 0.2	75.4	− 0.5	68.2	+ 0.1	62.1	+ 5.7	40.4	− 1.8	36.3	+ 5.2	52.8	− 0.6
Fulton	11.2	−18.3	30.4	− 2.7	41.2	− 2.9	52.4	− 2.2	61.2	− 3.4	73.0	− 0.2	76.7	− 1.0	75.9	− 0.5	67.8	− 1.1	61.5	+ 4.1	39.6	− 4.6	36.3	+ 2.8	52.3	− 2.5
Grant City	8.8	−16.0	27.4	− 1.2	39.2	− 2.1	51.1	− 1.1	59.8	− 2.2	72.3	+ 1.5	77.8	+ 1.6	73.4	− 1.5	68.0	+ 1.0	62.2	+ 7.1	37.4	− 4.5	32.4	+ 4.4	50.8	− 1.1
Hannibal	11.6	−15.5	29.7	0.0	38.4	− 2.6	51.1	− 2.3	60.4	− 3.2	73.1	+ 0.6	77.8	+ 1.0	75.0	0.0	68.4	+ 0.7	62.0	+ 6.0	39.8	− 2.3	35.6	+ 4.1	51.9	− 1.1
Kansas City Airport	12.8	−15.4	32.8	+ 1.6	42.7	0.0	54.0	− 0.8	63.6	− 1.2	74.7	+ 1.1	81.6	+ 3.5	76.3	− 0.3	70.0	+ 1.1	65.4	+ 7.7	40.8	− 2.9	37.2	+ 4.7	54.3	− 0.1
Kansas City University	14.4	......	32.8	......	43.4	......	54.0	......	63.2	......	73.0	......	79.6	......	75.6	......	68.5	......	63.6	......	40.1	......	38.8	......	53.9	......
Kidder	10.0	−16.0	29.8	+ 1.4	40.6	− 0.2	51.5	− 0.7	60.8	− 1.8	72.2	+ 0.4	78.3	+ 1.7	73.4	− 2.0	68.9	+ 1.6	63.0	+ 7.2	38.2	− 8.6	34.4	+ 5.2	51.8	− 0.6
Kirksville	11.3	−13.5	28.9	+ 1.8	38.0	− 1.7	51.4	− 0.5	61.2	− 1.1	73.0	+ 1.3	78.7	+ 2.7	74.7[d]	+ 0.7	68.9	+ 2.6	61.4	+ 6.7	38.9	− 1.7	34.2	+ 4.6	51.7	+ 0.2
Lawson	11.2	......	30.4	......	41.0	......	51.9	......	61.0	......	72.4	......	79.3	......	74.4	......	68.8	......	63.5	......	39.2	......	35.2	......	52.4	......
Louisiana	12.0	−16.1	31.0‖	+ 0.1	40.4‖	− 3.1	52.0	− 2.0	61.4	− 2.3	75.0	+ 2.9	77.0	+ 0.6	76.8	+ 1.9	67.5	− 0.5	60.8	+ 4.6	41.6	− 2.5	39.0[c]	+ 7.2	52.9	− 0.8
Macon	9.4	−18.1	29.4	− 0.2	38.0	− 4.2	50.6	− 2.5	60.9	− 2.6	73.0	+ 0.6	77.4	+ 0.2	74.6	− 1.5	68.3	+ 0.4	61.2	+ 4.9	38.2	− 4.6	33.6	+ 3.5	51.2	− 2.0
Maryville	8.2	−14.7	26.8	+ 1.0	38.0	+ 0.1	50.4	− 0.4	60.8	− 0.5	72.1	+ 2.3	78.6	+ 2.9	73.2	− 0.6	68.8	+ 2.7	62.7	+ 9.2	37.2	− 2.2	32.0	+ 5.2	50.7	+ 0.4
Memphis	8.2	......	26.1	......	34.6	......	48.8	......	59.2	......	72.8	......	78.2	......	73.4	......	67.2	......	59.8	......	37.0	......	32.4	......	49.8	......
Mexico	12.3	−15.7	30.1	0.0	39.8	− 2.2	53.2	− 0.6	61.6	− 2.4	74.0	+ 0.8	77.4	+ 0.1	76.0	0.0	69.2	+ 0.7	62.5	+ 6.2	39.7	− 3.2	36.2	+ 4.4	52.7	− 1.0
Moberly	11.8	......	31.6	......	40.2	......	52.8	......	62.2	......	73.2	......	77.4	......	75.2	......	69.1	......	62.7	......	40.4	......	38.2	......	52.9	......
Oregon	10.6	−13.5	28.4	− 0.4	40.6	+ 1.0	52.7	0.0	62.6	− 0.6	73.6	+ 1.4	81.0	+ 5.4	74.6	− 0.6	70.1	+ 3.0	61.4	+ 9.3	39.2	− 1.3	31.6	+ 5.9	52.7	+ 0.8
St. Charles	15.5	−15.5	33.2	− 0.1	42.6	− 1.9	54.4	− 1.2	63.6	+ 0.5	76.6	+ 2.7	79.1	+ 1.0	76.9	+ 0.1	69.8	+ 1.5	63.6	+ 5.4	42.5	− 2.8	38.8	+ 3.9	51.7	− 0.5
St. Joseph	11.5	−14.0	29.6	− 0.2	40.8	+ 0.3	52.6	− 0.9	62.8	− 1.4	73.8	+ 0.1	80.4	+ 3.0	75.0	− 1.5	69.6	+ 1.2	64.4	+ 8.4	39.3	− 2.2	34.9	+ 5.3	52.9	− 0.1
Saverton, Lock & Dam 22.	11.5	......	29.4	......	37.6	......	51.0	......	59.9	......	73.2	......	76.6	......	73.8	......	67.2	......	60.4	......	39.9	......	37.1	......	51.5	......
Steffenville	12.1	−15.3	30.9	+ 1.2	39.5	− 2.7	52.0	− 1.1	61.0	− 2 8	73.4	+ 0.8	78.9	+ 1.1	74.7	− 1.8	68.4	− 0.6	61.4	+ 4.0	37.2	− 6.3	33.7	+ 3.1	51.9	− 1.7
Tarkio	8.6	−14.3	26.6	− 2.4	37.6	− 2.5	49.6	− 2.6	60.8	− 1.8	72.3	+ 0.5	79.1	+ 2.3	71.9	− 3.3	67.6	+ 1.3	61.7	+ 6.9	35.9	− 4.2	30.5	+ 4.1	50.2	− 1.3
Trenton	11.4	−14.9	30.0	+ 0.6	39.9	− 1.2	52.2	− 0.5	62.4	− 1.1	74.8	+ 2.6	79.6	+ 2.8	74.8	− 0.4	69.5	+ 2.3	62.2	+ 6.3	39.4	− 2.8	31.8	+ 5.2	52.6	− 0.1
Unionville	9.3	−14.2	28.5	+ 1.8	37.2	− 1.7	50.4	− 0.6	61.1	− 1.0	72.9	+ 1.6	77.8	+ 1.3	74.0	− 0.8	68.5	+ 1.4	60.9	+ 5.7	36.4	− 3.9	31.8	+ 4.2	50.7	− 0.5
Warrenton	14.8	−14.4	33.0	+ 2.1	42.2	− 0.3	53.7	− 1.1	62.5	− 2.4	73.4	0.0	76.7	− 1.1	74.5	− 2.0	67.9	− 1.1	64.4	+ 8.4	42.7	− 0.5	38.5	+ 6.1	53.7	− 0.5
Keokuk, Iowa	12.2	−12.7	29.2	+ 0.8	37.0	− 1.9	50.7	− 1.6	60.8	− 3.0	74.7	+ 2.2	78.7	+ 1.8	74.6	− 0.4	68.0	+ 0.5	61.8	+ 6.4	39.4	− 1.7	35.4	+ 5.8	51.9	− 0.3
Division means	**11.1**	**−15.6**	**30.1**	**0.0**	**39.8**	**− 1.6**	**51.9**	**− 1.2**	**61.4**	**− 2.0**	**73.3**	**+ 0.9**	**78.4**	**+ 1.5**	**74.7**	**− 0.7**	**68.6**	**+ 0.9**	**62.4**	**+ 6.6**	**39.3**	**− 2.9**	**35.3**	**+ 4.6**	**52.2**	**− 0.8**
Southwestern Division																										
Anderson	19.4	−16.5	37.4	+ 1.7	48.6	− 0.2	56.7	0.0	63.0	− 2.7	72.0	− 0.7	75.9	− 1.4	74.4	− 3.3	69.2	− 1.8	63.2	+ 4.5	45.8	− 3.5	40.8	+ 3.3	55.5	− 1.7
Appleton City	14.4	−16.9	34.0	+ 0.1	44.3	− 0.8	53.4	− 2.7	62.6	− 2.4	72.5	− 1.9	78.1	− 0.1	73.9	− 3.9	68.2	− 2.2	63.4	+ 4.5	41.7	− 4.3	37.8	+ 3.2	53.7	− 2.3
Bolivar	16.9	−17.0	35.4	+ 0.2	45.7	− 0.6	55.2	− 1.1	63.6	− 1.2	73.4	+ 0.6	78.2	+ 0.9	75.7	− 1.2	68.8	− 1.1	61.0	+ 5.4	44.0	− 2.8	39.9	+ 4.3	55.1	− 1.1
Boonville	10.9	......	29.9	......	40.4	......	51.5	......	62.0	......	73.4	......	77.6	......	75.2	......	68.6	......	63.6	......	39.3	......	35.8	......	52.4	......
Carthage	....	......	....	......	....	......	57.2¶	......	65.0[b]	......	73.5	......	77.6	......	76.0	......	69.5	......	63.4	......	44.6	......	40.9	......	....	......
Clinton	14.3	−17.4	31.6	+ 1.0	43.0	− 2.0	54.0	− 2.3	62.8	− 2.7	73.0	− 0.8	79.1	+ 0.8	76.2	− 1.4	69.0	− 1.8	64.2	+ 5.3	41.4	− 5.6	37.8	+ 3.1	54.1	− 2.0
Eldon	13.4	−17.7	31.6	− 1.5	41.2	− 2.4	53.4	− 2.0	62.4	− 1.8	73.0	0.0	77.5	+ 0.3	75.6	− 0.8	67.2[d]	− 2.2	62.6	+ 5.2	42.1[c]	− 2.7	37.9	+ 3.6	53.2	− 1.8
Garber	21.5	......	37.8	......	45.6¶	......	....	......	....	......	....	......	....	......	....	......	....	......	....	......	....	......	....	......	....	......
Harrisonville	10.5	−16.8	30.6	− 0.1	41.2	− 0.1	52.0	− 1.9	62.4	− 1.4	72.4	− 0.7	80.2[e]	+ 2.5	75.8	− 0.1	69.4	+ 0.9	64.9	+ 8.8	40.0	− 2.5	37.0	+ 5.7	53.0	− 0.5
Jefferson City	12.2	−17.6	30.6	− 1.5	40.6	− 3.0	52.6	− 3.4	61.5	− 3.2	72.2	− 1.6	76.6	− 1.5	74.8	− 1.9	68.0	− 1.3	62.4	+ 5.6	39.6	− 4.5	36.7	+ 3.8	52.3	− 2.5
Joplin	....	......	....	......	....	......	57.1	− 1.4	66.1	− 0.2	74.5	+ 1.1	78.8	+ 0.7	76.4	− 0.9	70.3	− 1.8	65.9	+ 5.7	45.4	− 2.9	41.4	+ 2.2	....	......
Lakeside	16.2	......	33.4	......	42.9	......	54.7	......	62.7	......	73.1	......	76.8	......	76.2	......	68.7	......	63.0	......	41.8	......	38.8	......	54.0	......
Lamar	16.6	−15.5	35.2	− 0.1	44.8	− 1.2	54.5	− 2.1	64.3	− 1.3	73.6	− 0.6	78.8	+ 0.4	76.2	− 1.5	68.8	− 2.0	63.4	+ 4.5	41.5	− 4.8	38.7	+ 3.5	54.7	− 1.7
Lebanon	16.7	−15.8	34.3	− 0.1	44.2	− 0.8	53.9	− 1.6	62.0	− 2.9	72.2	− 0.5	75.9	− 1.0	73.4	− 2.7	68.0	− 1.4	63.0	+ 5.3	42.7	− 2.9	41.1	+ 6.3	54.0	− 1.5
Lexington	12.6	−15.2	31.4	+ 0.4	41.4	− 2.0	53.2	− 1.4	63.4	− 1.0	74.2	+ 1.3	80.7	+ 3.3	76.8	+ 0.6	70.4	+ 1.6	65.0	+ 7.5	40.0	− 4.2	36.5	+ 4.5	53.8	− 0.4
Lockwood	17.2	−16.1	36.0	− 1.0	46.1	− 1.2	51.2	− 2.3	63.4	− 1.0	72.8	− 0.8	77.6	0.0	75.6	− 1.6	68.8	− 2.1	63.7	+ 5.0	43.2	− 3.8	40.0	+ 3.9	54.9	− 1.8
Marshall	13.2	−14.7	32.4	+ 1.5	42.6	− 0.4	51.2	− 0.6	62.4	− 1.8	73.8	+ 0.6	78.6	+ 1.1	75.4	− 0.6	69.0	+ 0.2	62.5	+ 5.9	40.8	− 4.4	36.2	+ 4.3	53.4	− 0.7
Mountain Grove	18.4	−14.4	34.8	− 0.3	44.7	− 0.7	54.5	− 0.4	62.6	− 1.2	72.6	+ 0.8	75.9	− 0.5	74.8	− 0.7	69.3	+ 0.4	64.0	+ 6.4	44.2	− 1.7	41.2	+ 6.5	54.8	− 0.5
Mount Vernon	18.6	−14.7	36.4	+ 1.9	45.8	− 0.1	54.8	− 1.3	63.6	− 2.2	73.2	− 0.1	77.3	− 0.4	75.6	− 1.1	69.9	− 0.6	65.2	+ 6.6	46.2	+ 0.4	42.1	+ 6.6	55.7	− 0.4
Neosho	20.2	−14.9	38.7	+ 1.1	48.6	+ 0.5	57.2	− 1.1	64.4	− 1.6	72.9	− 0.9	77.0	− 0.5	75.8	− 1.3	68.9	− 1.6	63.0	+ 3.8	45.1	− 2.2	41.6	+ 4.5	56.1	− 1.2
Nevada	17.4	−14.5	36.6	+ 2.7	46.8	+ 1.9	56.3	+ 0.6	64.8	+ 0.3	74.0	+ 0.5	80.0	+ 0.4	76.6	− 0.5	69.7	+ 0.2	64.8	+ 7.2	43.4	− 1.4	39.0	+ 3.7	55.8	+ 0.1
Ozark Beach	....	......	....	......	....	......	....	......	....	......	....	......	....	......	76.6[a]	......	69.4	......	62.9	......	44.3	......	42.0	......	....	......
Sedalia	14.1	−12.3	33.8	+ 3.4	43.4	+ 0.6	55.1	− 0.2	63.4	− 1.9	74.4	+ 0.2	79.8	+ 2.3	76.4	− 0.1	69.4	+ 0.2	64.9	+ 7.2	42.6	− 0.7	38.4	+ 4.5	54.6	+ 0.3
Seligman	21.0[a]	−14.1	37.7[c]	+ 0.2	48.2[b]	+ 1.6	55.8	− 0.8	63.6	− 0.9	71.6	− 0.8	75.0[b]	− 1.7	73.0[a]	− 3.2	67.1[b]	− 2.5	62.4	+ 3.4	45.4[a]	− 1.9	41.7[a]	+ 4.4	55.2	− 1.4
Seymour(near)	17.0	−17.0	34.6	− 0.4	44.2	− 1.2	54.2	− 1.5	61.8	− 1.9	71.5	− 0.2	74.4	− 1.1	73.4	− 1 6	66.8	− 2.0	61.6	+ 4.2	42.7	− 3.2	40.4	+ 5.0	53.6	− 1.7
Springfield	16.0	−17.5	34.4	− 1.0	43.8	− 1.4	53.6	− 2.4	61.6	− 2.9	72.0	− 0.5	76.8	0.0	74 6	− 1.1	67.8	− 1 1	62.6	+ 4.4	43.0	− 2.7	39.4	+ 3.2	53.8	− 1.9
Versailles	15.2	−18.0	33.9	− 0.3	43.4	− 1.6	53.9[d]	− 2.0	61.8[c]	− 3.8	72.2[f]	− 2.5	76.6[g]	− 2.3	74.3[e]	− 4.2	68.4[h]	− 2.3	....	......	....	......	....	......	....	......
Warrensburg	13.5	−15.2	33.8	+ 1.3	43.6	− 0.4	54.5	− 1.6	63.8	− 1.2	73.8	− 0.1	80.6	+ 1.8	76.2	− 0.9	69.8	− 0.4	64.7	+ 6.7	42.4	− 2.6	38.2	+ 4.8	54.6	− 0.6
Warsaw	14.6	−18.3	34.4	− 1.2	41.6	− 2.4	55.4	− 1.3	63.6	− 1.9	74.1	+ 0.3	80.0	+ 1.7	77.0	− 0.6	69.4	− 1.1	64.4	+ 5.4	43.4	− 3.8	39 2	+ 3.5	55.0	− 1.6
Division means	**15.8**	**−16.0**	**34.4**	**+ 0.3**	**44.4**	**− 0.6**	**54.6**	**− 1.4**	**68.1**	**− 1.8**	**73.0**	**− 0.3**	**77.8**	**+ 0.2**	**75.4**	**− 1.4**	**68.9**	**− 1.1**	**63.7**	**+ 5.6**	**42.8**	**− 3.0**	**29.8**	**+ 4.3**	**54.4**	**− 1.3**
Southeastern Division																										
Advance	20.9	......	36.5	......	45.0	......	55.3	......	62.3	......	74.6	......	76.4	......	76.4	......	67.8	......	60.8	......	43.8	......	41 0	......	55.1	......
Arcadia	16.8	−15.1	33.7	− 0.4	42.4	− 2.2	53.8	− 1.5	61.8	− 2.3	72.2	+ 0.4	75.3	− 0.5	75.2	+ 0.9	66.0	− 1.6	61.6	+ 5.6	43.2	− 0.7	39.0	+ 4.7	53.4	− 1.1
Birch Tree(near)	20.2	−14.3	36.2	− 0.1	45.6	− 1.7	55.0	− 2.1	63.2	− 1.8	72.6	− 0.1	76.4	− 0.2	75.1	− 1.0	68.4	− 1.4	61.8	+ 3 4	44.6	− 2.0	41.2	+ 4.8	55.0	− 1.4
Campbell	23.5	−14.2	39.0	− 3.1	48.9	+ 0.9	58.4	− 0.3	66.2	− 1.1	76.8	+ 1.3	78.6	− 1.8	78.2	+ 1.0	71.0	− 0.6	65.9	+ 5.8	48.4	+ 0.8	44.7	+ 6.3	58.3	− 0.4
Caruthersville	22.2	−16.9	36.6	− 3.7	47.0	− 4.4	57.7	− 2.5	66.2	− 3.6	76.6	− 1.8	78.0	− 3.3	79.0	− 1.3	71.0	− 3.5	64.5	+ 2.3	48.4	− 2.0	43.2	+ 2.3	57.5	− 3.2
Crystal City	17.8[c]	......	35.9[b]	......	43.8[d]	......	54.8[f]	......	62.5[a]	......	73.0	......	76.2[a]	......	76.0	......	66.6	......	60.6	......	42.2	......	39.0	......	54.0	......
Doniphan	23.6	−12.2	38.0	− 1.3	47.3	− 1.7	57.6	− 0.9	63.6	− 2.9	75.8	+ 0.8	76.9	− 1.7	77.2	− 0.4	68.3	− 2.9	62.0	+ 3.5	45.7	− 1.6	42.8	+ 5.0	56.6	− 1.4
Farmington	19.9	−12.7	36.3	− 0.6	45.2	− 1.3	56.0	− 0.9	63.4	− 0.3	74.4	+ 1.6	77.3	+ 1.0	76.1	+ 0.7	70.0	+ 0.4	62.8	+ 6.0	45.0	+ 0.2	41.5	+ 4.8	55.7	− 0.1
Goodland	17.6	−15.0	34.8	+ 0.5	43.4	− 1.6	53.6	− 1.4	60.6	− 3.4	70.7	− 1.2	73.8	− 1.8	74.2	− 0.3	66.0	− 1.8	59.3	+ 3.4	42.2	− 2.5	39.5	+ 4.7	53.0	− 1.7
Greenville	22.6	−12.4	38.0	+ 2.2	46.7	− 1.0	57.0	+ 0.4	63.4	− 2.5	73.6	0.0	76.4	− 1.0	76.7	0.0	68.1	− 2.7	61.2	+ 8.6	44.9	− 0.5	42.0	+ 5.8	55.9	− 0.7
Jackson	20.6	−13.2	36.3	− 0.2	46.2	− 1.0	56.8	− 0.3	63.5	− 2.1	74.0	− 0.1	77.2	− 0.4	77.1	+ 1.0	69.4	− 0.7	62.4	+ 4.5	45.0	− 1.6	42.0	+ 5.4	55.9	− 0.7
Koshkonong	22.2	−14.3	37.4	− 1.7	47.0	− 2.4	56.5[a]	− 2.0	64.1	− 2.5	73.8	− 0.6	75.8[c]	− 3.0	75.6	− 2.3	69.5	− 1.9	64.5	+ 4.9	45.6[a]	− 3.4	43.0	+ 4.6	56.2	− 2.0
Licking(near)	17.8	......	33.4	......	43.4	......	55.2	......	62.0	......	72.8	......	75.7	......	75.6	......	66.5	......	61.5	......	42.4	......	39.6	......	53.8	......
Marble Hill	21.0	−13.6	36.8	+ 0.2	46.6	− 1.0	57.2	0.0	63.4	− 2.2	74.6	+ 0.6	77.6	− 0.2	77.8	+ 0.8	69.5	− 1.2	63.6	+ 5.4	45.6	+ 0.4	41.8	+ 5.1	56.3	− 0.5
Poplar Bluff	23.2	−12.8	37.4	− 0.7	47.0	− 1.6	57.0	− 2.5	64.6	− 2.9	75.2	− 0.2	77.5	− 1.7	77.8	− 0.2	69.8	− 1.9	63.8	+ 3.7	47.1[a]	− 0.6	43.2	+ 5.4	57.0	− 1.3
Rolla	16.7	−15.2	34.0	− 2.3	42.8	− 2.7	53.7	− 2.2	62.2	− 2.3	72.2	− 0.8	75.6	− 2.1	74.2	− 2.0	68.8	+ 0.1	64.1	+ 7.6	42.6	− 2.4	38.8	+ 4.2	53.8	− 1.7
St. Louis																										
City Office	17.2	−13.9	34.0	− 0.8	43.6	− 0.5	54.6	− 1.5	64.0	− 3.0	76.2	+ 1.2	80.2	+ 1.4	78.4	+ 0.9	71.8	+ 1.3	65.6	+ 6.8	44.2	− 1.2	39.9	+ 5.0	55.8	− 0.4
St. Louis Airport	14.6	......	32.6	......	42.4	......	53.2	......	62.4	......	75.4	......	78.2	......	77.0	......	68.7	......	63.0	......	42.2	......	38.6	......	54.0	......
St. Louis University	16.6	−15.4	34.0	− 0.9	43.4	− 0.8	54.2	− 1.5	63.8	− 1.9	76.3	+ 1.1	79.8	− 0.7	78.0	+ 0.2	71.3	+ 0.4	65.3	+ 6.7	43.8	− 1.9	39.9	+ 4.8	55.5	− 0.8
Washington University	15.2	......	32.8	......	42.4	......	53.6	......	63.0	......	75.0	......	77.8	......	77.0	......	69.6	......	63.2	......	42.4	......	38.2	......	54.2	......
Salem	17.4	−15.2	31.1	− 1.7	43.8	− 2.6	53.8	− 2.2	61.8	− 2.7	71.7	− 0.7	74.8	− 2.0	73.6	− 2.3	66.1	− 3.1	61.3	+ 3.7	42.7	− 3.4	39.4	+ 4.0	53.4	− 2.4
Sikeston	19.5	−17.5	35.6	− 1.6	45.6	− 3.0	55.7	− 2.4	64.7	− 3.8	77.0	+ 2.7	79.2	+ 0.6	78.7	+ 1.1	71.3	+ 0.2	64.8	+ 5.5	46.5	− 0.7	42.0	+ 4.3	56.7	− 1.2
Union	17.0	......	36.0	......	45.0	......	55.0	......	63.4[a]	......	73.8	......	76.8[a]	......	76.4	......	68.4	......	62.2	......	43.8	......	40.1	......	54.8	......
Wappapello Dam	20.6	......	36.4	......	45.7[a]	......	56.7	......	64.6	......	74.8[a]	......	77.5	......	77.6	......	69.4	......	62.4	......	45.8	......	41.0	......	56.0	......
West Plains	20.8	......	36.6	......	43.8	......	54.4	......	62.4	......	72.3	......	75.4	......	75.0	......	66.6	......	60.6	......	43.4	......	40.4	......	54.3	......
Cairo, Ill	22.0	−12.9	36.8	− 1.7	46.6	− 0.6	56.6	− 1.5	64.8	− 3.6	75.4	− 0.9	77.6	− 2.0	78.4	+ 0.6	70.9	− 0.6	64.8	+ 4.4	47.2	− 0.1	43.4	+ 5.6	57.0	− 1.2
Division means	**19.7**	**−14.3**	**35.9**	**− 1.0**	**45.2**	**− 1.5**	**55.6**	**− 1.4**	**63.5**	**− 2.5**	**74.3**	**+ 0.2**	**77.0**	**− 1.1**	**76.6**	**− 1.4**	**68.9**	**− 1.2**	**62.8**	**+ 4.8**	**44.6**	**− 1.3**	**41.1**	**+ 4.8**	**55.4**	**− 1.3**
State means	**15.5**	**−15.2**	**33.5**	**+ 0.4**	**43.1**	**− 0.9**	**54.0**	**− 1.1**	**62.7**	**− 1.8**	**73.5**	**− 0.1**	**77.7**	**− 0.3**	**75.6**	**− 0.9**	**68.8**	**− 0.6**	**63.0**	**+ 5.4**	**42.2**	**− 2.1**	**38.6**	**+ 4.4**	**54.0**	**− 1.1**

¶ Estimated ‖ Partially estimated

Letters of alphabet indicate number of days missing from report: thus [a] one day; [b] two days. etc.

Monthly and Annual Precipitation for the Year 1940, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northern Division																										
Amity	1.46	......	1.70	......	3.56	......	2.48	......	3.69	......	7.22	......	1.90	......	4.93	......	0.50	......	1.17	......	3.93	......	1.65	......	34.19	......
Bethany	1.04	−0.15	0.86	−0.56	2.05	−0.18	2.63	−0.66	2.52	−1.65	6.11	+1.05	2.09	−2.07	3.74	−0.08	0.29	−4.27	1.54	−1.38	2.46	+0.42	1.46	+0.31	26.79	−9.22
Bowling Green	0.61	−1.29	0.67	−0.77	1.12	−1.02	1.28	−1.26	2.05	−1.79	4.05	+0.81	0.00	−2.78	4.77	+0.96	0.06	−2.65	1.59	−0.66	2.60	−0.24	1.90	−0.15	20.70	−10.84
Brunswick	1.42	−0.17	1.18	−0.63	2.53	−0.17	2.69	−1.14	2.30	−2.31	4.00	−1.11	0.34	−3.77	10.55	+6.61	0.17	−4.64	2.71	−0.29	4.65	+2.46	2.25	+0.58	34.79	−4.58
Canton, Lock and Dam 20	0.99	−0.95	0.99	−0.27	1.77	−0.57	4.11	+1.35	1.56	−3.76	3.21	−1.57	1.29	−1.04	6.35	+3.19	0.15	−3.59	2.51	+0.25	2.20	−0.51	1.58	−0.05	26.71	−7.52
Centralia	1.20	......	0.51	......	1.48	......	2.72	......	3.07	......	5.07	......	0.48	......	5.22	......	0.33	......	2.27	......	2.45	......	2.54	......	27.34	......
Chillicothe	0.85	−0.63	1.35	−0.10	2.65	+0.17	2.69	−0.53	2.47	−1.62	3.77	−0.96	1.97	−1.45	2.25	−1.71	0.22	−4.56	2.03	−1.11	2.11	−0.01	1.34	−0.08	23.70	−12.59
Clifton Hill	0.70	−1.02	1.30	−0.44	2.60	−0.14	3.23	−0.13	1.69	−2.71	2.74	−1.65	0.24	−3.12	8.01	+4.21	0.22	−4.32	3.18	+0.66	3.01	+1.03	2.33	+0.61	29.25	−7.02
Columbia	1.62	−0.30	1.08	−1.01	1.87	−1.07	3.11	−0.66	3.32	−1.14	5.91	+1.15	2.06	−1.43	6.64	+3.04	0.32	−4.03	2.60	−0.01	2.49	+0.29	2.91	+1.05	33.93	−4.12
Conception	1.71	+0.92	1.53	+0.38	2.32	+0.67	3.81	+1.08	3.04	−1.02	5.41	+0.46	1.72	−2.95	7.29	+3.65	0.23	−4.41	1 06	−1.82	1.90	+0.16	1.22	+0.34	31.24	−2.54
Edgerton	2.48	+1.63	1.73	+0.39	1.45	−0.81	2.62	−0.46	4.15	−0.05	4.85	−0.02	1.55	−1.95	5.99	+1.95	0.51	−4.08	1.58	−1.04	4.09	+2.12	1.02	−0.10	32.02	−2.42
Edina	1.02	−0.64	1.03	−0.10	2.32	+0.33	3.63	+0.50	1.48	−2.37	2.39	−3.05	0.55	−1.92	7.68	+3.58	0.26	−4.36	3.73	+1.47	2.30	−0.77	1.61	+0.27	28.00	−7.06
Elsberry	1.17	−1.00	1.04	−0.62	1.62	−1.14	1.77	−1.28	1.74	−1.58	7.60	+4.16	0.59	−1.40	5.64	+2.38	0.00	−3.00	1.05	−1.46	2.91	+0.09	1.70	−0.51	26.83	−5.36
Farber	1.13	−0.73	0.82	−0.55	1.27	−1.14	1.60	−0.99	2.63	−1.49	5.94	+2.11	0.10	−2.83	5.11	+0.81	0.06	−2.40	1.40	−0.67	2.76	−0.26	2.00	0.00	24.82	−8.14
Fayette	1.19	−0.60	1.07	−0.63	2.10	−0.72	3.57	+0.02	2.59	−1.73	2.53	−2.04	0.89	−2.36	5.24	+1.68	0.12	−4.84	2.93	+0.04	2.73	+0.63	2.21	+0.55	27.17	−10.00
Fulton	1.24	−0.78	1.27	−0.40	2.01	−0.95	2.64	−1.37	3.84	−0.76	7.06	+2.66	1.30	−1.99	5.47	+1.82	0.25	−4.24	1.75	−1.67	2.57	+0.26	2.40	+0.74	31.80	−6.68
Gallatin	1.53	+0.31	1.04	−0.55	3.28	+0.96	3.42	−0.14	2.78	−1.94	4.37	−0.69	3.81	−0.31	5.98	+2.18	0.44	−4.76	1.41	−1.77	3.78	+1.70	1.43	+0.15	33.27	−4.86
Gorin	1.66	+0.28	1.17	−0.23	1.63	−0.59	3.68	+0.27	1.70	−2.87	1.59	−3.08	0.98	−2.63	7.03	+3.57	0.12	−4.55	3.34	+0.36	1.98	−0.05	2.00	+0.60	26.88	−8.92
Grant City	1.17	+0.20	1.45	+0.34	0.97	−1.04	3.12	+0.16	2.76	−1.47	3.29	−1.71	2.12	−2.51	6.47	+2.53	0.76	−3.93	1.57	−1.47	1.52	−0.33	1.28	+0.22	26.48	−9.01
Hannibal	1.70	−0.02	0.68	−1.22	2.18	−0.42	3.37	+0.18	1.33	−3.02	3.34	−0.56	0.05	−3.04	4.97	+1.63	0.21	−3.76	3.21	+0.82	2.51	+0.45	1.91	+0.37	25.46	−8.59
Hermann	1.32	−0.61	1.16	−0.49	1.45	−1.38	1.91	−2.12	2.65	−1.52	6.24	+1.87	1.80	−1.54	4.83	+1.16	0.10	−4.28	1.27	−2.36	2.42	−0.05	1.88	+0.07	27.03	−11.25
Kahoka	1.08	−0.80	1.35	+0.28	1.09	−1.02	3.87	+0.61	1.89	−2.37	1.85	−3.06	2.55	+0.67	8.31	+5.03	0.06	−4.48	2.97	+0.52	2.00	−1.35	1.79	+0.10	28.81	−5.87
Kansas City	1.26	+0.07	1.07	−0.75	1.95	−0.58	4.21	+1.07	4.33	−0.32	3.84	−1.15	0.80	−3.33	6.48	+2.39	1.30	−3.26	1.68	−1.24	3.95	+2.12	1.68	+0.35	32.55	−4.63
Kansas City University	1.72	......	0.90	......	1.99	......	4.92	......	4.51	......	5.28	......	0.51	......	7.56	......	1.81	......	2.00	......	3.31	......	2.38	......	36.89	......
Kidder	1.30	+0.08	0.80	−0.74	2.21	+0.02	2.17	−1.11	3.96	−0.69	5.05	+0.08	2.82	−1.06	4.75	+0.79	0.09	−5.11	1.72	−1.35	4.41	+2.26	1.59	+0.32	30.87	−6.51
King City	1.23	+0.14	1.84	+0.34	2.46	+0.40	3.27	−0.03	3.50	−0.71	5.48	+0.17	3.93	+0.39	3.23	−0.45	0.43	−4.99	1.60	−1.30	2.16	+0.20	1.63	+0.55	30.81	−5.29
Kirksville	1.68	+0.16	1.13	−0.40	3.26	+0.32	4.99	+0.89	1.71	−3.62	2.38	−2.68	0.95	−3.35	3.69	−0.43	1.07	−4.11	3.67	+0.51	3.44	+1.32	1.67	−0.09	29.64	−11.48
La Belle	1.35	−0.32	0.87	−0.40	1.65	−0.67	2.71	−0.20	1.63	−2.81	1.93	−3.31	0.54	−1.59	9.14	+4.52	0.43	−3.64	3.19	+0.91	2.98	−0.12	1.32	−0.22	27.74	−7.85
Lawson	1.70	......	1.33	......	2.52	......	3.76	......	2.61	......	3.16	......	0.66	......	7.05	......	0.03	......	2.28	......	4.27	......	1.61	......	30.98	......
Linneus	1.23	......	1.16	......	2.74	......	3.28	......	2.39	......	4.75	......	2.29	......	5.05	......	0.33	......	2.40	......	3.50	......	1.59	......	30.71	......
Louisiana	0.53	−1.62	0.17	−1.91	2.05	−1.42	2.82	−0.90	1.61	−3.09	3.89	−0.34	0.09	−3.51	5.80	+1.26	0.25	−4.18	2.10	−1.18	3.10	+0.64	1.92	+0.02	24.33	−16.23
Lucerne	0.64	−0.38	0.93	−0.27	1.44	−0.61	3.32	−0.24	4.66	−0.07	3.22	−2.42	6.06	+3.00	6.72	+2.28	0.26	−5.40	1.36	−2.17	2.45	+0.17	1.58	−0.03	32.64	−6.14
Macon	1.25	−0.45	0.61	−1.09	2.13	−0.71	2.16	−1.50	1.54	−3.05	5.26	+0.54	0.47	−2.94	5.29	+1.48	0.30	−4.14	3.83	+0.94	3.24	+1.05	1.65	+0.01	27.73	−9.86
Madison	0.52	......	0.95	......	2.00	......	3.13	......	1.91	......	5.34	......	0.24	......	3.53	......	0.26	......	2.68	......	2.32	......	1.95	......	24.83	......
Maryville	1.30	+0.30	1.19	−0.24	1.70	−0.17	3.52	+0.51	2.40	−2.25	3.28	−1.83	3.59	−1.64	4.73	+0.75	0.57	−4.11	0.94	−2.03	1.74	−0.18	1.18	+0.10	26.14	−10.79
Memphis	1.39	−0.14	1.08	+0.11	1.95	−0.41	3.29	+0.09	2.42	−1.59	1.73	−3.40	1.49	−1.31	6.80	+2.83	0.20	−3.98	3.61	+1.68	2.11	−0.88	1.54	+0.26	27.61	−6.74
Mexico	1.57	−0.46	1.55	−0.30	1.40	−1.51	2.56	−1.19	2.74	−1.86	6.63	+1.89	1.17	−2.04	5.85	+2.00	0.18	−4.79	2.36	−0.71	2.48	+0.25	2.86	+0.95	31.35	−7.77
Milan	1.22	+0.05	1.29	−0.09	2.10	−0.15	4.10	+0.13	2.26	−2.56	3.67	−1.43	2.08	−1.00	6.14	+1.90	0.54	−5.00	1.71	−2.26	3.23	+1.05	1.42	−0.39	29.76	−9.75
Moberly	0.86	......	1.22	......	1.98	......	2.76	......	1.05	......	2.78	......	0.38	......	5.73	......	0.73	......	2.93	......	3.33	......	2.24	......	25.99	......
Monroe City	1.08	−0.83	0.99	−0.42	2.39	−0.50	3.41	−0.26	1.97	−2.43	4.52	−0.56	0.53	−3.13	3.07	−1.25	0.77	−4.05	2.93	+0.33	2.80	+0.48	1.85	−0.08	26.31	−12.70
Oregon	1.75	+0.82	1.83	+0.46	1.97	+0.01	2.78	−0.51	2.88	−1.65	4.57	−0.80	3.16	−1.02	4.48	+0.68	0.69	−4.41	0.86	−1.89	2.26	+0.28	1.42	+0.38	28.65	−7.65
Palmyra	0.85	−1.15	0.82	−0.92	2.16	−0.52	2.14	−1.59	1.59	−2.72	4.57	−0.18	0.12	−3.13	4.13	+0.29	0.44	−4.33	2.62	+0.26	2.24	0.00	1.46	−0.18	23.14	−14.17
Paris	0.92	−0.87	0.81	−0.62	1.99	−0.28	2.99	+0.52	1.86	−2.64	4.59	+0.45	0.25	−2.39	3.47	−0.11	0.30	−2.97	2.85	+0.98	2.84	−0.15	1.98	+0.10	24.85	−7.98
Perry	1.02	−0.90	0.82	−0.47	1.53	−0.65	2.16	−0.15	1.60	−2.62	5.00	+1.24	0.80	−1.72	3.05	−0.76	0.30	−2.67	2.42	+0.58	1.95	−0.72	1.80	+0.09	22.45	−8.75
Philadelphia	0.91	−0.90	0.81	−0.82	3.06	+0.90	2.56	+0.31	0.32	−4.54	4.52	−0.24	0.27	−3.02	3.09	−1.32	T.	−3.26	3.65	+1.63	2.16	−0.63	1.33	−0.26	22.68	−12.15
St. Charles	1.36	−0.79	1.28	−0.71	2.19	−0.98	2.27	−1.48	4.43	+0.15	1.76	−2.24	1.87	−1.12	2.72	−1.52	0.12	−3.72	2.17	−1.01	2.95	+0.84	2.69	+0.90	25.81	−11.68
St. Joseph	1.63	+0.35	1.52	−0.21	2.24	−0.24	2.37	−0.82	3.52	−1.18	4.72	−0.23	2.67	−1.11	7.13	+3.30	0.78	−3.14	1.06	−1.83	2.53	+0.95	1.55	+0.26	31.72	−3.90
Saverton, Lock No. 22	0.91	......	0.79	......	1.99	......	2.19	......	2.55	......	2.70	......	0.15	......	4.77	......	0.02	......	3.14	......	3.13	......	1.88	......	24.22	......
Shelbina	0.79	−0.74	0.81	−1.03	2.10	−0.69	2.80	−0.95	1.40	−2.92	4.41	−0.07	0 27	−3.60	3.21	−0.51	0.37	−4.57	4.48	+1.87	2.43	+0.33	1.84	+0.30	24.91	−12.58
Shelbyville	0.96	−0.61	0.39	−1.00	1.78	−0.47	3.04	+0.32	1.86	−2.76	3.77	−0.81	0.11	−2.61	3.92	−0.31	0.07	−3.08	3.54	+1.42	2.82	−0.16	1.42	−0.38	23.68	−10.45
Steffenville	0.90	−1.11	1.06	−0.71	2.09	−0.92	3.94	+0.36	1.60	−2.97	3.31	−1.23	0.52	−3.59	5.63	+1.59	0.05	−4.45	2.75	+0.02	3.30	+1.11	1.86	+0.17	27.01	−11.73
Tarkio	0.96	+0.22	1.44	+0.16	3.22	+1.55	3.78	+0.54	2.43	−2.11	2.57	−2.39	4.97	+0.82	7.68	+3.78	0.69	−3.55	1.89	−0.92	2.44	+0.70	1.11	+0.15	33.18	−1.05
Trenton	1.19	−0.15	1.89	+0.31	2.92	+0.47	2.72	−0.86	2.35	−2.35	4.37	−0.67	3.75	−0.32	4.75	+0.87	0.78	−3.97	2.29	−0.84	3.07	+0.95	1.58	+0.17	81.66	−6.89
Troy	1.04	−0.96	0.90	−0.63	2.14	−0.58	1.74	−1.27	2.44	−1.45	7.48	+3.82	1.55	−0.80	4.59	+0.75	0.09	−3.13	1.88	−0.83	2.56	−0.43	1.78	−0.22	28.19	−5.73
Unionville	2.03	+0.31	1.42	−0.35	1.59	−0.91	4.01	+0.31	2.40	−2.85	3.15	−2.04	2.47	−1.65	5.16	+0.88	0.23	−4.86	1.65	−1.48	2.56	+0.36	1.36	−0.35	28.03	−12.63
Warrenton	0.88	−1.31	1.63	−0.26	2.21	−0.97	3.28	−0.76	2.23	−2.17	7.16	+3.38	1.08	−2.06	4.93	+1.26	0.19	−4.17	1.30	−2.14	3.13	+0.51	2.15	+0.07	30.17	−8.62
Keokuk, Iowa	0.91	−0.65	0.72	−0.88	1.55	−0.83	2.61	−0.38	1.28	−2.65	2.18	−1.95	2.70	−0.71	6.11	+2.91	0.04	−3.80	3.14	+0.88	1.70	−0.24	1.84	+0.39	24.78	−7.91
Division means	**1.21**	**−0.40**	**1.11**	**−0.49**	**2.07**	**−0.45**	**3.01**	**−0.38**	**2.44**	**−2.19**	**4.24**	**−0.44**	**1.47**	**−2.23**	**5.47**	**+1.70**	**0.35**	**−3.81**	**2.31**	**−0.25**	**2.77**	**+0.57**	**1.77**	**+0.25**	**28.22**	**−8.10**
Southwestern Division																										
Altona	0.80	......	1.49	......	3.15	......	4.43	......	3.28	......	5.40	......	1.44	......	4.29	......	1.36	......	1.48	......	2.81	......	1.86	......	31.79	......
Anderson(near)	0.55	−1.98	1.58	−0.20	1.60	−2.10	8.96	+4.27	1.82	−3.93	7.40	+1.47	2.74	−1.67	5.52	+1.40	3.17	−0.71	3.05	−0.84	5.01	+1.66	2.47	+0.12	43.87	−2.51
Appleton City	1.19	−0.65	2.04	+0.37	3.54	+0.39	3.55	−0.58	2.13	−2.67	6.61	+1.59	0.01	−4.30	4.58	+0.62	1.20	−3.18	1.35	−1.61	2.49	+0.19	2.16	+0.57	30.85	−9.26
Bolivar	0.77	−1.16	1.35	−0.75	2.56	−0.87	4.21	+0.04	2.11	−3.24	3.22	−2.09	0.57	−3.15	7.79	+3.93	1.98	−2.23	1.59	−1.66	2.85	+0.27	2.77	+0.43	31.77	−10.48
Boonville	1.78	+0.06	1.15	−0.63	1.63	−1.41	3.51	−0.36	3.75	−0.86	3.60	−1.45	1.58	−1.66	7.63	+3.08	0.44	−4.75	1.54	−1.68	2.50	+0.29	2.80	+1.10	31.91	−8.27
Buffalo	0.91	−1.20	1.19	−0.57	3.43	+0.52	3.64	−0.03	3.21	−1.99	6.44	+1.42	2.30	−0.66	12.31	+8.19	1.13	−2.22	1.46	−1.36	2.53	−0.87	2.51	+0.44	41.06	+1.67
Caplinger Mills	0.83	−1.09	1.36	+0.05	2.85	+0.12	3.69	+0.10	2.95	−1.92	4.20	−1.96	1.01	−2.75	6.76	+2.21	0.72	−3.00	1.35	−2.53	2.41	−0.35	2.05	+0.35	30.18	−10.77
Carthage	....	......	....	......	[illegible]	......	5.02	......	1.79	......	6.59	......	4.56	......	5.65	......	1.56	......	2.02	......	4.20	......	2.16	......	....	......
Clinton	1.54	−0.49	2.18	+0.23	3.08	−0.28	4.67	+0.50	2.59	−2.24	6.32	+1.42	0.93	−2.50	6.11	+2.46	0.76	−3.76	1.26	−2.19	3.32	+1.16	2.35	+0.48	35.11	−5.21
Concordia	1.58	+0.04	1.26	−0.22	2.82	+0.27	3.29	−0.05	2.34	−2.41	6.92	+1.44	T.	−3.99	8.80	+4.95	0.50	−4.00	1.21	−2.59	4.15	+1.93	2.03	+0.26	34.90	−4.37
Eldon	1.18	−0.58	1.80	−0.02	2.50	−0.54	2.60	−1.56	2.88	−1.42	4.40	+0.36	0.26	−2.96	6.14	+2.48	0.42	−4.20	1.18	−2.52	2.63	+0.18	2.45	+0.69	28.44	−10.09
Galena	0.79	−1.88	0.83	−1.11	1.03	−2.31	5.27	+1.15	2.41	−2.73	2.67	−2.09	2.71	−1.05	9.62	+5.52	1.23	−2.25	1.40	−2.08	3.53	+0.23	2.43	+0.26	33.92	−8.34
Garber	0.80	......	1.18	......	1.90	......	....	......	....	......	....	......	....	......	....	......	....	......	....	......	....	......	....	......	....	......
Hailey	0.66	−2.26	1.46	−0.34	1.70	−1.78	6.37	+1.98	1.38	−3.86	2.67	−2.93	3.37	−0.32	10.25	+5.31	2.52	−1.25	2.27	−2.03	4.63	+1.52	2.32	0.00	39.60	−5.96
Harrisonville	1.18	−0.39	1.50	−0.23	3.36	+0.56	4.29	+0.91	3.20	−1.23	7.20	+2.41	0.02	−3.59	6.26	+2.08	0.53	−4.37	1.15	−1.82	3.36	+1.22	1.28	−0.17	33.33	−4.62
Jefferson City	1.82	−0.16	1.84	+0.08	2.23	−0.83	2.94	−1.04	2.65	−1.76	4.85	+0.62	0.50	−2.61	8.27	+4.44	0.05	−4.18	1.34	−2.03	2.53	+0.14	2.63	+0.69	31.65	−6.64
Joplin	1.11	−1.05	1.12	−0.56	1.29	−1.91	6.32	+1.62	2.05	−3.31	7.21	+1.21	2.46	−2.16	9.07	+5.10	2.80	−1.12	2.07	−1.38	4.05	+1.28	2.09	+0.20	41.64	−2.08
Lakeside	1.12	......	1.50	......	3.25	......	2.66	......	1.64	......	4.42	......	0.52	......	5.93	......	0.11	......	1.15	......	2.73	......	2.80	......	27.83	......
Lamar	0.93	−0.90	1.08	−0.69	1.60	−1.59	4.76	+0.24	2.13	−3.13	4.47	−1.07	1.77	−2.45	6.98	+2.69	1.17	−3.38	1.53	−2.08	3.70	+1.17	2.02	+0.14	32.14	−11.05
Lebanon	0.77	−1.87	1.03	−1.16	3.29	−0.19	4.44	+0.09	1.17	−4 04	8.61	+3.44	2.28	−1.68	10.54	+6.05	0.40	−4.09	1.66	−2.11	2.51	−0.13	2.79	+0.51	39.49	− 5.18
Lexington	1.89	+0.37	1.22	−0.62	2.87	+0.09	3.16	−0.64	3.99	−0.97	4.50	−0.05	0.71	−3.30	5.46	+1.91	0.12	−4.65	1.02	−2.01	3.97	+1.85	2.08	+0.49	30.99	−7.50
Lockwood	0.80	−1.06	1.78	+0.05	1.54	−2.02	4.17	−0.36	1.99	−3.33	4.69	−0.99	3.69	−1.07	5.96	+1.26	0.66	−4.12	1.62	−2.28	3.91	+1.07	2.35	+0.21	33.16	−12.64
Marshall	2.00	+0.35	1.26	−0.52	1.90	−1.02	3.72	−0.17	2.72	−1.89	4.05	−0.75	1.33	−2.24	8.58	+4.68	0.34	−5.16	2.32	−0.81	2.91	+0.59	2.31	+0.56	33.44	−6.38
Mountain Grove	1.35	−1.38	1.49	−0.74	3.60	−0.27	5.75	+1.23	1.27	−3.19	3.55	−1.39	1.72	−2.17	3.72	−0.62	1.22	−2.84	1.88	−1.58	3.40	+0.45	3.53	+1.12	32.48	−11.38
Mount Vernon	1.64	−1.07	2.02	−0.58	1.46	−2.43	6.50	+2.05	2.57	−2.94	5.53	+0.27	4.40	−0.79	6.70	+2.22	1.30	−2.54	2.23	−1.15	4.00	+1.06	2.20	−0.34	40.55	−6.24
Neosho	0.95	−1.52	1.07	−0.92	1.43	−2.12	6.06	+1.50	0.97	−4.59	4.35	−1.62	2.38	−2.27	8.28	+3.91	4.07	−0.22	2.32	−1.37	5.32	+2.02	2.11	−0.17	39.31	−7.37
Nevada	1.19	−0.64	1.22	−0.53	2.48	−0.39	5.52	+1.23	2.75	−2.18	5.75	+0.30	0.80	−2.86	6.64	+2.87	1.18	−3.13	1.14	−1.93	2.53	+0.38	2.07	+0.32	33.27	−6.56
Osceola	1.42	−0.71	1.21	−0.51	2.70	−0.49	6.68	+2.30	2.68	−2.79	7.18	+1.95	0.16	−3.70	8.79	+4.72	1.10	−3.71	1.15	−2.01	2.07	−0.71	2.05	−0.08	37.19	−5.74
Ozark Beach	0.87	−2.10	1.13	−0.67	2.05	−1.04	5.55	+1.08	1.10	−4.12	2.12	−3.76	2.00	−1.39	6.99	+2.66	1.22	−1.97	2.03	−1.84	3.78	+1.01	3.21	+0.46	32.05	−11.68
Pleasant Hill	1.20	......	1.10	......	3.06	......	4.20	......	5.75	......	5.99	......	1.78	......	6.90	......	1.46	......	0.96	......	4.24	......	1.72	......	38.36	......
St. Thomas(near)	1.10	......	1.39	......	2.42	......	2.39	......	2.06	......	5.44	......	0.78	......	6.98	......	0.00	......	1.42	......	2.93	......	2.97	......	29.88	......
Sedalia	1.49	−0.76	1.48	−0.66	2.71	−0.12	3.16	−0.57	4.17	−0.37	4.88	−0.40	2.45	−1.99	6.78	+1.60	0.70	−4.20	1.47	−1.21	2.95	+1.33	2.21	+0.93	34.45	−6.42
Seligman	0.68	−2.11	1.35	−0.49	1.49	−2.11	6.56	+2.50	2.15	−3.29	3.61	−1.34	3.17	−0.95	6.39	+2.39	3.50	−0.18	2.37	−1.09	4.82	+1.73	2.14	−0.06	38.23	−5.00
Seymour(near)	0.91	−1.68	1.50	−0.68	4.35	+0.69	6.22	+1.90	1.05	−3.78	4.92	−0.42	1.30	−2.64	7.13	+2.89	1.28	−2.74	2.07	−1.41	3.26	+0.37	2.68	+0.42	36.67	−7.08
Springfield	0.89	−1.45	1.31	−1.12	2.44	−0.95	4.90	+1.04	2.16	−3.03	2.51	−2.17	3.77	−0.44	5.36	+1.27	2.42	−1.10	2.14	−0.91	3.07	+0.28	2.63	+0.32	33.60	−8.26
Stover	1.24	−0.44	1.32	−0.11	1.43	−1.20	2.55	−1.27	2.12	−2.69	5.10	−0.25	0.00	−3.35	5.86	+1.91	0.00	−4.07	1.45	−2.57	1.28	−1.50	2.15	+0.01	24.50	−15.50
Sweet Springs	....	......	....	......	....	......	....	......	....	......	....	......	...	......	....	......	....	......	2.05	......	3.67	......	2.33	......	....	......

Continued on next page

Monthly and Annual Precipitation for the Year 1940, with Departures from Normal—Concluded

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Versailles	1.44	−0.56	1.49	−0.08	1.95	−0.41	3.29	−1.15	2.30	−2.40	4.72	−0.11	0.21	−4.12	9.55	+5.48	0.07	−4.49	....	......	....	......	....	......	....	......
Warrensburg	1.79	+0.01	1.02	−0.86	3.01	−0.08	5.23	+1.57	2.76	−1.96	4.69	−0.37	0.14	−3.83	6.54	+2.57	0.41	−4.34	1.21	−1.78	3.26	+1.04	2.39	+0.85	32.51	−7.18
Warsaw	1.66	−0.48	1.29	−0.95	2.30	−1.25	5.02	+0.56	2.40	−2.60	6.53	+1.23	0.45	−3.56	6.85	+2.23	0.14	−4.89	1.35	−2.45	2.00	−0.64	2.16	+0.01	32.15	−12.76
Waverly	1.52	−0.02	1.01	−0.65	2.72	−0.04	3.08	−0.63	3.03	−1.58	5.68	+0.72	0.15	−4.23	9.73	+6.01	0.12	−5.22	1.80	−1.50	3.67	+1.39	1.49	−0.09	34.09	−5.81
Division means	**1.19**	**−0.97**	**1.37**	**−0.59**	**2.43**	**−0.72**	**4.57**	**+0.51**	**2.40**	**−2.73**	**5.10**	**+0.11**	**1.55**	**−2.18**	**7.21**	**+3.27**	**1.11**	**−3.05**	**1.65**	**−1.33**	**3.81**	**+0.67**	**2.33**	**+0.80**	**34.22**	**−6.66**
Southeastern Division																										
Advance	1.82	......	3.19	......	3.52	......	7.02	......	1.51	......	2.64	......	3.17	......	3.62	......	0.42	......	0.46	......	4.35	......	4.71	......	36.43	......
Alton(near)	....	......	....	......	....	......	....	......	....	......	....	......	....	......	7.91	......	0.71	......	0.87	......	4.57	......	3.92	......	...	......
Annapolis	1.87	......	1.16	......	4.11	......	6.21	......	1.62	......	2.51	......	0.90	......	7.48	......	0.61	......	1.14	......	5.16	......	4.85	......	37.65	......
Arcadia	1.74	−1.25	1.14	−1.34	3.90	−0.15	5.73	+0.91	2.58	−1.66	3.59	−0.55	0.97	−3.15	4.70	+0.33	0.71	−3.24	1.59	−1.86	5.13	+2.01	3.18	+0.33	34.99	−9.62
Belleview	1.33	......	1.73	......	3.01	......	7.10	......	2.07	......	4.85	......	0.74	....	5.39	......	0.80	......	‖1.98	......	‖5.12	......	4.78	......	38.90	......
Birch Tree(near)	0.99	−2.19	1.11	−1.39	2.66	−1.32	6.51	+1.75	1.01	−3.34	2.94	−1.47	0.96	−2.62	7.95	+3.19	0.53	−3.15	1.39	−1.89	4.88	+1.72	4.17	+1.42	35.10	−9.29
Bragg City	1.97	−3.03	5.01	+1.36	3.39	−1.89	6.12	+2.12	3.24	+0.16	3.33	−0.08	1.73	−2.25	¶4.80	+1.31	0.60	−3.25	1.10	−1.39	4.50	+0.73	5.16	+1.06	40.95	−5.15
Campbell	1.79	−3.51	4.58	+1.25	2.26	−3.66	6.26	+2.00	2.67	−2.34	4.15	−0.09	3.64	+0.16	5.96	−0.02	1.00	−2.87	0.42	−2.68	4.38	+0.68	4.76	+0.81	41.87	−10.27
Cape Girardeau	1.86	−2.12	3.25	+0.85	2.45	−1.39	5.76	+1.88	2.77	−1.30	2.73	−1.57	0.82	−2.60	3.52	−0.38	0.63	−3.38	0.16	−3.14	3.89	+0.31	2.87	−0.80	30.71	−13.61
Caruthersville	2.79	−2.40	4.99	+1.61	3.89	−0.57	6.38	+1.86	4.13	−0.31	2.69	−1.12	3.90	+0.61	3.63	−0.06	0.72	−2.49	1.14	−2.22	2.95	−0.90	4.67	+0.13	41.88	−6.86
Centerville	1.13	......	0.97	......	5.23	......	5.39	......	2.97	......	4.24	......	1.27	......	6.69	......	0.49	......	1.53	......	5.95	......	2.97	......	38.83	......
Crystal City	1.26	......	1.34	......	1.25	......	2.47	......	2.74	......	2.86	......	1.74	......	4.06	......	0.47	......	1.61	......	4.03	......	3.41	......	27.24	......
Cuba	1.70	......	1.30	......	1.75	......	3.88	......	1.82	......	6.46	......	0.27	......	4.20	......	0.15	......	2.12	......	2.62	......	1.87	......	28.14	......
Dexter	2.71	−2.33	4.12	+1.04	2.62	−2.26	7.00	+2.41	1.89	−2.90	6.23	+1.82	4.33	+1.21	3.87	−0.25	0.84	−3.68	0.47	−3.79	4.87	+0.95	4.66	+0.67	43.61	−7.11
Doniphan	1.74	−2.36	2.03	−1.28	3.10	−1.29	8.69	+3.76	1.67	−2.69	4.37	+0.01	3.47	−0.57	5.74	+1.50	1.41	−2.20	0.96	−2.10	6.75	+3.33	3.62	−0.10	43.55	−3.99
Farmington	1.24	−1.90	1.25	−1.27	2.09	−1.83	6.50	+1.98	2.02	−3.05	3.94	+0.06	0.63	−2.93	3.28	−1.02	0.55	−3.25	2.62	−0.82	4.15	+1.33	3.39	+0.59	31.66	−12.11
Fisk	2.72	−2.29	4.30	+1.04	3.29	−1.53	7.13	+3.43	2.92	−0.58	4.63	+0.77	4.44	+1.06	2.31	−0.94	0.41	−3.83	0.36	−2.60	5.13	+2.47	4.50	+1.03	42.14	−1.97
Fredericktown	1.45	−2.26	0.85	−1.78	3.54	−0.11	4.29	−0.19	2.55	−1.54	3.24	−0.99	3.51	+0.29	2.69	−1.57	0.35	−3.61	1.16	−3.23	4.10	+0.78	2.93	−0.24	30.66	−14.45
Goodland	1.40	−1.30	0.99	−1.29	3.15	−0.74	6.51	+1.62	1.60	−2.91	7.03	+2.97	0.61	−3.08	8.92	+4.68	0.71	−3.15	2.14	−1.45	5.42	+2.70	3.01	+0.56	41.49	−1.39
Greenville	1.35	−1.97	1.10	−1.62	2.87	−1.39	7.05	+2.35	2.55	−1.63	3.05	−1.64	1.65	−2.11	4.15	−0.13	1.60	−1.72	0.57	−2.71	5.15	+1.79	3.06	−0.30	34.15	−11.08
Jackson	1.49	−2.45	3.68	+0.80	4.26	+0.09	6.92	+2.58	2.82	−1.45	1.40	−3.29	1.72	−1.82	3.77	−0.31	1.32	−2.70	1.13	−2.39	4.73	+1.35	4.37	+0.94	37.61	−8.65
Jerome	1.75	−0.23	0.97	−1.35	2.96	+0.11	4.12	+0.29	3.87	−0.94	7.50	+3.75	0.45	−2.85	4.84	+0.56	T.	−3.59	1.73	−0.29	8.04	+0.57	2.17	+0.34	32.90	−3.63
Koshkonong	1.69	−1.93	1.31	−1.55	2.23	−1.87	8.53	+3.51	1.53	−3.02	3.68	−0.82	2.57	−1.20	9.13	+4.97	0.52	−3.12	1.15	−2.07	5.10	+1.84	3.24	−0.24	40.68	−5.50
Leeper	1.57	−2.33	1.65	−1.00	3.43	−0.21	6.49	+1.57	1.69	−2.71	3.22	−2.22	0.42	−2.90	4.62	+0.51	0.33	−2.90	1.02	−2.89	4.76	+1.38	3.06	−0.72	32.26	−14.42
Licking(near)	0.72	......	1.25	......	4.24	......	6.59	......	2.31	......	4.05	......	1.13	......	7.00	......	0.35	......	1.72	......	3.48	......	3.63	......	36.47	......
Marble Hill	1.88	−1.99	2.52	−0.56	3.09	−1.19	7.02	+2.53	2.85	−1.64	2.01	−2.47	2.41	−1.61	6.87	+2.75	0.69	−3.19	0.64	−2.78	5.18	+1.63	3.94	+0.27	39.10	−8.25
Meramec Park	1.38	......	1.94	......	2.09	......	3.91	......	5.75	......	6.49	......	0.71	......	7.62	......	0.97	......	2.12	......	2.89	......	4.80	......	40.67	......
Morehouse	1.98	−2.93	4.35	+0.61	2.51	−2.40	¶6.74	+1.89	2.11	−2.17	3.55	−0.68	4.02	+1.01	4.02	+0.11	1.37	−2.55	0.55	−2.98	4.50	+0.87	3.85	−0.37	39.55	−9.59
New Madrid	2.29	−3.20	5.50	+1.75	3.56	−1.27	5.56	+0.98	4.09	−0.34	4.19	−0.31	1.44	−2.53	3.67	−0.43	0.71	−2.88	0.65	−3.12	4.60	+0.57	5.20	+0.59	41.46	−10.19
Owensville	1.55	−0.27	1.49	−0.17	2.07	−1.25	3.24	−0.07	1.91	−2.89	5.91	+1.26	0.65	−2.97	2.39	−1.45	0.00	−3.49	1.46	−1.97	2.06	−0.75	1.64	−0.69	24.37	−14.71
Pacific	0.94	−1.42	¶1.18	−0.96	1.22	−2.49	2.95	−1.22	3.96	−0.99	3.65	−0.88	0.28	−3.36	2.78	−0.91	T.	−3.80	0.70	−2.33	3.55	+0.80	2.98	+0.78	24.19	−16.78
Parma	2.22	−3.04	5.18	+2.30	3.19	−2.17	6.17	+1.93	5.14	+0.98	3.74	+0.26	3.94	+0.05	3.97	−0.60	0.61	−4.44	0.36	−2.78	4.94	+0.47	4.47	−0.31	43.93	−7.35
Poplar Bluff	2.30	−2.12	2.52	−0.37	3.25	−1.11	7.96	+3.45	2.58	−1.94	3.31	−0.81	3.18	−0.76	4.75	+0.18	0.57	−3.32	0.59	−3.07	4.98	+1.50	4.00	+0.01	39.99	−8.36
Richwoods	1.65	......	1.70	......	1.73	......	3.66	......	3.22	......	5.87	......	0.64	.....	3.84	......	0.19	......	1.24	. ...	1.88	......	4.26	......	29.88	......
Rolla	1.16	−1.30	1.44	−0.61	2.23	−1.40	4.59	+0.37	1.66	−3.09	6.56	+2.15	1.20	−2.19	4.94	+0.50	0.20	−3.94	2.07	−1.39	2.89	+0.21	2.89	+0.71	31.83	−9.98
St. Louis:																										
City Office	1.33	−1.01	1.39	−1.24	1.50	−1.88	3.86	+0.05	1.46	−2.88	2.66	−1.16	0.78	−2.20	4.11	+1.12	0.03	−3.43	1.44	−1.28	3.23	+0.40	3.21	+1.00	25.00	−12.51
Airport	0.90	......	1.46	......	2.27	......	3.49	......	2.27	......	2.17	......	1.30	......	2.83	.....	T.	... ..	2.41	......	2.94	......	2.69	......	24.73	......
St. Louis University	1.30	−1.30	0.67	−1.64	1.34	−2.00	2.93	−0.93	1.00	−3.19	2.35	−1.24	0.71	−2.47	2.56	−1.38	0.18	−3.58	1.35	−1.81	2.45	−0.09	2.24	−0.20	19.08	−19.83
Washington University	1.27	......	1.50	......	1.19	......	2.91	......	3.37	......	3.64	....	1.23	......	2.61	......	0.09	......	2.31	......	3.15	......	2.78	......	26.05	......
Salem	1.08	−1.64	1.22	−1.06	3.88	+0.01	7.02	+2.52	2.78	−1.73	4.96	+0.31	0.58	−2.92	4.74	+0.17	0.58	−3.30	2.55	−1.07	5.16	+2.52	3.52	+0.98	38.07	−5.21
Sikeston	2.65	−2.21	6.84	+3.62	3.55	−0.91	7.39	+2.77	2.88	−1.36	3.87	−0.32	4.19	+0.47	3.12	−0.68	1.68	−2.20	0.56	−2.71	5.60	+2.04	3.88	−0.06	46.21	−1.55
Union	1.65	−0.67	1.41	−0.79	1.32	−1.98	3.97	−0.39	1.81	−2.73	4.31	+0.01	1.27	−2.67	4.68	−0.02	0.30	−3.89	1.34	−2.14	2.50	−0.25	2.98	+0.77	27.54	−14.75
Valley Park	1.37	−0.89	0.94	−0.95	1.30	−2.07	3.12	−1.00	3.02	−1.45	3.75	−0.13	0.80	−2.12	3.62	−0.43	0.17	−3.37	1.74	−1.65	3.44	+0.84	2.91	+0.74	26.18	−12.48
Van Buren	1.54	......	1.16	.....	2.72	......	5.30	......	0.84	......	2.65	......	0.60	......	5.01	......	0.56	......	0.68	......	4.32	......	4.18	......	29.56	......
Wappapello Dam	2.30	......	2.53	......	4.09	......	6.41	......	1.74	......	2.24	......	2.09	......	3.71	......	0.50	......	0.62	......	5.26	......	4.58	......	36.07	......
West Plains	1.08	......	0.61	......	2.81	......	7.11	......	0.79	......	2.51	......	1.20	......	4.78	......	1.02	......	0.95	......	5.10	......	4.61	......	32.57	......
Williamsville	1.59	−2.87	2.39	−0.25	3.42	−0.48	6.55	+1.83	1.85	−2.62	3.02	−2.81	1.22	−2.81	6.29	+0.95	1.33	−2.04	0.72	−3.39	5.51	+1.92	3.21	−1.15	37.10	−13.72
Willow Springs(near)	1.30	−1.88	0.95	−1.61	2.76	−1.48	3.41	−1.43	1.83	−2.77	2.64	−2.19	0.63	−3.17	5.21	+1.13	0.61	−3.47	2.97	−0.35	5.07	+1.73	3.69	+0.89	31.07	−14.60
Zalma	1.91	......	2.61	......	3.19	......	5.70	......	2.34	......	2.89	......	2.48	......	4.75	......	0.63	......	0.44	......	5.43	......	4.37	......	36.74	......
Cairo, Ill.	2.64	−1.12	3.51	+0.29	3.25	−0.50	7.92	+4.20	1.92	−1.79	3.17	−0.66	1.39	−1.68	0.77	−2.25	1.75	−1.14	0.73	−2.03	4.09	+0.41	2.92	−0.48	34.06	−6.75
Division means	**1.66**	**−1.73**	**2.28**	**−0.41**	**2.83**	**−1.22**	**5.64**	**+1.28**	**2.48**	**−1.94**	**3.75**	**−0.50**	**1.73**	**−1.78**	**4.67**	**+0.87**	**0.62**	**−2.99**	**1.23**	**−1.74**	**4.29**	**+1.07**	**3.66**	**+0.75**	**34.84**	**−8.36**
State means	**1.35**	**−1.04**	**1.59**	**−0.49**	**2.44**	**−0.80**	**4.41**	**+0.47**	**2.44**	**−2.29**	**4.36**	**−0.28**	**1.58**	**−2.05**	**5.78**	**+1.94**	**0.69**	**−3.29**	**1.73**	**−1.11**	**3.46**	**+0.77**	**2.59**	**+0.44**	**32.42**	**−7.71**

¶ Estimated ‖‖‖ Incomplete ‖ Partially estimated

KILLING FROSTS, 1940

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Northern Division											
Bethany	April 19	Sept. 26	Moberly	April 13*	Nov. 6*	Lakeside	April 12*	Oct. 16*	Campbell	April 13*	Nov. 7
Brunswick	April 18*	Nov. 6*	Oregon	April 18*	Nov. 6*	Lamar	April 12*	Sept. 26*	Caruthersville	April 14*	Nov. 7
Canton	April 13*	Nov. 7*	St. Charles	April 13*	Sept. 27	Lebanon	April 13*	Nov. 6	Crystal City	April 21*	Sept. 27*
Chillicothe	April 18*	Nov. 7*	St. Joseph	April 12	Nov. 7	Lexington	April 13*	Nov. 7	Doniphan	April 21*	Oct. 18*
Clifton Hill	April 18	Sept. 26	Saverton	April 13*	Nov. 6*	Lockwood	April 12	Nov. 6	Farmington	April 12	Nov. 7
Columbia	April 9	Nov. 6	Steffenville	May 1*	Sept. 26*	Marshall	April 18*	Nov. 6*	Goodland	May 4*	Sept. 27
Conception	May 1*	Nov. 6*	Tarkio	April 18*	Oct. 15	Mountain Grove	April 13*	Oct. 16*	Greenville	April 21*	Sept. 27*
Edgerton	April 24*	Sept. 26	Trenton	April 18*	Nov. 6	Mount Vernon	April 13*	Nov. 6	Jackson	April 14	Nov. 6
Elsberry	May 4*	Sept. 26*	Unionville	April 18*	Nov. 6*	Neosho	April 12	Oct. 16	Koshkonong	April 13*	Nov. 6*
Fayette	April 12	Nov. 6	Warrenton	April 13*	Nov. 7	Nevada	April 12	Oct. 16	Licking(near)	April 21*	Sept. 26
Fulton	April 13*	Oct. 16	Keokuk, Iowa	Mar. 25	Nov. 7	Ozark Beach	....	Nov. 6	Marble Hill	April 21*	Nov. 6
Grant City	May 1*	Oct. 20				Sedalia	April 13*	Nov. 6	Poplar Bluff	April 21*	Nov. 6*
Hannibal	April 13*	Nov. 7*	*Southwestern Division*			Seligman	April 13*	Nov. 6*	Rolla	April 13*	Nov. 6*
Kan. City Airport	April 12	Nov. 6	Anderson (near)	April 14	Nov. 6*	Seymour(near)	April 13*	Sept. 27*	**St. Louis**	April 12	Nov. 12
Kansas City Univ.	April 18*	Sept 26*	Appleton City	April 13	Oct. 16	Springfield	April 13	Nov. 6	St. Louis Airport	April 13*	Nov. 7
Kidder	April 18	Nov. 6	Bolivar	April 13*	Nov. 6	Versailles	April 13*	....	St. Louis Univ.	April 13*	Nov. 11*
Kirksville	April 18*	Sept. 26	Boonville	April 13*	Nov. 6	Warrensburg	April 13*	Sept. 26	Washington U.	April 13*	Nov. 7*
Lawson	April 13	Nov. 6*	Carthage	April 12	Nov. 6	Warsaw	April 13*	Sept. 26	Salem	April 21*	Nov. 7
Louisiana	April 23*	Sept. 26*	Clinton	April 13*	Nov. 5*				Sikeston	April 13*	Nov. 6
Macon	April 18*	Nov. 6*	Eldon	April 13*	Nov. 6*	*Southeastern Division*			Union	April 21*	Sept. 26*
Maryville	April 12	Nov. 6	Harrisonville	April 18*	Nov. 6	Advance	April 13*	Sept. 27	Wappapello Dam	April 13*	Nov. 6
Memphis	April 19*	Nov. 6*	Jefferson City	April 13*	Oct. 16*	Arcadia	May 4*	Sept. 27	West Plains	April 13*	Nov. 6
Mexico	April 13*	Oct. 16*	Joplin	April 12*	Nov. 6*	Birch Tree(near)	April 13*	Nov. 6*	Cairo, Ill.	April 13	Nov. 7

* Occurrence of killing frost not recorded; dates given are last in spring or first in autumn of temperature 32° or lower.

WBO. St. Louis. 4-7-41—1350.

Continued from page 63

Extensive and severe damage was inflicted on trees and shrubs in the extreme northern part of the State, and farm activities were greatly hampered over all sections. The growing season was terminated on the 6th and 7th.

The year ended with a warm, cloudy and damp December, with the temperature averaging 4.4° above normal. Frequent precipitation and alternate freezing and thawing kept fields muddy, and very little farm work was accomplished. Subsoil moisture and water supplies were increased, and winter wheat was benefitted by the ample moisture.—A. A. R.

TEMPERATURE

The annual mean temperature for the State was 54.0°, or 1.1° below normal. The highest annual mean was 58.3° at Campbell, and the lowest annual mean was 49.8° at Memphis. The highest temperature recorded was 111° at Sikeston on July 29th, and the lowest was 28° below zero at St. Joseph Airport on January 26th. The greatest daily range was 58° at Unionville on March 17th.

PRECIPITATION

The average annual precipitation for the State was 32.42 inches, or 7.71 inches less than normal. The greatest annual amount was 46.21 inches at Sikeston, and the least annual amount was 19.08 inches at St. Louis University. The greatest local monthly amount was 12.31 inches at Buffalo in August, and the least local monthly amount was none at Bowling Green and Stover in July, and at Elsberry, St. Thomas(near), Stover and Owensville in September. The greatest amount in any twenty-four hours was 3.85 inches at Osceola on June 24th, but it is estimated that 4.00 inches fell at Concordia on June 7th. The average number of days with 0.01 inch or more was 94, or 5 days more than normal.

The snowfall averaged 25.1 inches, or 7.1 inches more than normal; this was the greatest annual amount of snow since 1924, when the average fall for the State was 28.3 inches. The greatest annual snowfall was 55.5 inches at Tarkio, and the least annual amount was 9.0 inches at Neosho. The greatest monthly snowfall was 26.5 inches at Concordia in January.

ERRATA

August 1940, page 39: Total precipitation at Nevada should be 6.64; departure should be +2.87.

Nat. Hist. Lib

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

VOL. XLV JANUARY 1941 No. 1

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The mild, damp, cloudy weather conditions of December continued into January. There was much fog and frequent precipitation. Temperatures were in marked contrast to January 1940, which was the coldest of record, and the current month averaged 19.2° higher than last January. The first two months of the present winter averaged 4.2° above normal, which is unusually mild winter weather in Missouri. The mild conditions were general over the entire State, and it was the second consecutive month with not a single station reporting temperature deficiency. Warm periods were 1st-3d, 8th-17th, 20th-22d and last two days of month, while the cold periods were 4th-6th and 18th-19th. The coldest days were the 18th-19th and the warmest the 11th-12th. Sub-zero temperatures were not reported, although zero was reported at four northern stations. This is the first January since 1933, and the second since the beginning of records in 1888, when minimum temperatures below zero have not been recorded.

Precipitation was frequent, occurring on an average of eleven days, and was above normal, except in the Southeastern Division, where there was a slight deficiency. It was the wettest January since 1937, and the third consecutive month with above normal precipitation. Sub-soil moisture has been restored to a considerable extent. The heaviest precipitation occurred on the first generally, while the 1st-2d, 13th-18th, 22d-26th, and the 30th were general periods of precipitation. Thunderstorms were reported on eight days. Snowfall was irregularly distributed but averaged practically normal. Amounts ranged from 15.5 inches in the extreme northern portion of State to none at some stations in the southeast portion.

There was little farm work accomplished other than seasonal chores because of muddy fields and frequent precipitation. The continued mild conditions resulted in further economy of feed and fuel. Wheat was benefitted by the ample moisture, with condition ranging from poor to good, but afforded practically no grazing because of muddy fields. Lack of sunshine was a factor in severe losses to greenhouse operators, as there were very few blooms for cutting.—M. R. W.

TEMPERATURE

The monthly mean for the State, 85 stations reporting, was 34.7°, or 4.0° above normal. The highest monthly mean was 40.8° at Campbell, and the lowest monthly mean was 27.0° at Unionville. The highest recorded was 70° at Lebanon and Ozark Beach on the 11th and at Lebanon, Ozark Beach, and Union on the 12th, and the lowest was zero at Conception, Oregon, and Unionville on the 18th and at Canton and Unionville on the 19th. The greatest daily range was 52° at Birch Tree (near) on the 10th.

PRECIPITATION

The average for the State, 146 stations reporting, was 3.41 inches, or 1.00 inch more than normal. The greatest local monthly amount was 5.74 inches at Lawson, and the least local monthly amount was 0.93 inch at Belleview. The greatest amount in any twenty-four hours was 1.88 inches at Seligman on the 1st. The average number of days with 0.01 inch or more was 11.

Snowfall averaged 4.4 inches, or 0.2 inch less than normal. The greatest local monthly fall was 15.5 inches at Gorin, Oregon, and Unionville.

(Continued on page 4)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.18*	30.66*	9	29.48*	17	7.5	21	nw.	4	87*	77*	79*	33
Kan. C. Airport	30.18	30.71	9	29.54	16	9.0	31	nw.	17	85	75	79	35
St. Joseph	30.19*	30.71*	9	29.59*	16	8.3	27	nw.	17	95*	80*	85*	36
St. Louis	30.18*	30.60*	9	29.52*	16	10.6	30	sw.	21	79	70	69	36
Springfield	30.16	30.63	9	29.40	16	10.2	28	w.	10	90	74	78	33
Cairo, Ill.	30.19	30.58	9	29.47	16	8.0	29	sw.	16	85	66	..	42
Keokuk, Iowa	30.20§	30.65	9	29.54	17	7.6	30	nw.	3	81	70	..	31

* Data for Airport Station. § 7:30 A. M.

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	21.5	74	−32	2.14	1.76	2.20	2.47	....	6	..	..	..
1889	31.8	69	− 2	2.53	1.65	2.48	3.45	....	6	..	..	..
1890	33.8	81	−19	5.18	3.23	4.18	8.14	....	9	..	..	..
1891	34.1	74	− 1	1.63	1.36	0.98	2.56	4.3	6	..	..	..
1892	24.0	67	−31	1.87	1.80	1.87	1.93	....	4	14	8	9
1893	22.5	66	−14	0.45	0.51	0.41	0.42	2.4	3	9	11	11
1894	31.4	77	−35	2.48	1.90	2.95	2.59	2.7	5	13	9	9
1895	24.7	78	−22	1.66	0.97	1.44	2.57	9.4	5	14	8	9
1896	32.9	71	− 9	1.19	1.05	0.85	1.67	3.1	4	10	7	14
1897	28.4	72	−16	5.24	4.18	5.50	6.04	4.0	8	12	7	12
1898	34.3	75	−10	4.11	4.02	3.84	4.48	8.4	9	11	8	12
1899	30.2	70	−21	1.93	0.62	1.20	3.96	4.0	6	12	8	11
1900	34.5	77	− 9	1.28	0.98	1.18	1.67	0.2	4	14	7	10
1901	35.0	72	−11	1.31	1.21	1.45	1.27	0.8	4	17	7	7
1902	30.1	72	−17	1.36	1.07	0.95	2.05	6.9	5	16	7	8
1903	31.4	73	−11	1.49	1.07	1.41	1.98	5.0	6	13	6	12
1904	27.0	66	−23	3.01	2.64	2.74	3.66	7.4	8	14	6	11
1905	22.3	72	−19	2.04	1.06	2.10	2.95	6.8	8	14	6	11
1906	35.6	77	− 8	3.44	2.20	3.07	5.04	9.2	6	14	5	12
1907	34.3	79	− 5	5.04	4.14	5.28	5.69	2.8	12	7	6	18
1908	34.4	68	−10	1.67	0.50	1.47	3.04	3.6	5	19	5	7
1909	33.7	83	−20	2.36	2.01	1.70	3.36	6.5	7	6	7	18
1910	32.3	78	−24	1.82	1.96	1.73	1.78	3.5	5	13	6	12
1911	34.6	78	−19	0.84	1.57	0.32	0.64	0.7	5	8	7	16
1912	20.0	70	−36	1.22	0.35	0.79	2.51	6.5	4	14	7	10
1913	33.1	74	−12	4.18	1.53	2.63	8.38	2.6	8	13	6	12
1914	38.1	78	− 1	1.45	0.96	1.43	1.95	1.0	4	12	7	12
1915	29.1	76	−24	2.88	2.29	2.48	3.86	5.4	8	12	5	14
1916	31.6	72	−24	7.66	5.23	8.32	9.42	3.4	12	9	4	18
1917	32.9	76	−10	1.53	0.75	1.05	2.79	2.3	5	15	7	9
1918	16.4	67	−24	1.72	1.08	1.45	2.63	16.6	7	12	7	12
1919	34.0	70	−23	0.44	0.14	0.32	0.85	1.4	2	20	5	6
1920	28.6	72	− 5	1.72	0.52	1.39	3.25	5.7	5	15	5	11
1921	37.1	74	− 1	1.88	1.42	2.07	2.15	5.4	6	10	7	14
1922	29.5	66	− 6	1.33	1.08	1.41	1.50	3.9	5	14	5	12
1923	39.2	75	3	2.58	0.77	2.21	4.77	0.6	6	12	7	12
1924	24.9	68	−25	1.59	1.08	1.64	2.05	5.7	7	14	5	12
1925	29.7	65	−15	1.05	0.41	1.29	1.44	4.7	4	15	7	9
1926	32.7	70	−20	1.93	1.28	1.91	2.60	4.2	6	11	7	13
1927	30.8	73	−24	3.05	0.90	2.43	5.81	3.6	6	13	6	12
1928	33.3	77	−18	0.97	0.31	0.81	1.80	0.5	3	16	7	8
1929	25.1	72	−13	3.51	2.77	2.79	4.96	6.8	8	11	6	14
1930	20.8	73	−31	4.62	2.38	4.18	7.30	13.0	10	12	5	14
1931	36.0	76	− 5	0.74	0.39	0.65	1.18	2.0	4	16	6	9
1932	36.4	73	− 7	3.56	1.78	3.23	5.66	1.0	9	10	7	14
1933	41.4	72	8	2.56	1.73	2.62	3.34	0.5	6	14	8	9
1934	36.1	71	− 6	1.34	0.88	1.33	1.82	1.5	5	13	6	12
1935	33.0	71	−12	2.57	1.47	2.44	3.81	0.5	7	12	6	13
1936	24.4	74	−25	1.01	1.69	0.56	0.77	7.6	7	11	7	13
1937	28.5	70	−15	6.38	3.66	5.20	10.28	4.3	11	9	5	17
1938	33.1	75	− 9	2.93	2.53	3.00	3.27	0.3	6	13	6	12
1939	39.0	74	− 5	2.74	1.40	2.25	4.57	8.1	9	12	8	11
1940	15.5	55	−28	1.35	1.21	1.19	1.66	12.4	8	13	7	11
1941	34.7	70	0	3.41	3.59	3.70	2.93	4.4	11	9	5	17
Period	**30.7**	**83**	**−36**	**2.41**	**1.65**	**2.19**	**3.38**	**4.6**	**6**	**13**	**6**	**12**

Climatological Data for January 1941

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	46	28.4	+ 3.6	59	12	2	18	37	48	2.74	+1.55	1.18	9.4	9	12	0	19	ne.	A. S. Cumming
Brunswick	Chariton	652	60	31.2	+ 4.5	62	12	6	19	36	62	4.58	+2.99	1.15	10.0	14	10	1	20	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	3	29.8	......	60	12	0	19	36	11	3.90	+1.96	1.30	9.9	13	10	3	18	nw.	Lockmaster
Chillicothe	Livingston	779	32	29.4	+ 5.0	60	12	4	18†	40	35	3.59	+2.11	0.79	9.0	12	13	1	17	uw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	42	31.2	+ 3.1	59	12	3	18	30	32	4.20	+2.48	1.00	12.7	12	8	4	19	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	51	33.8	+ 2.9	64	12	8	19	30	51	2.85	+0.93	1.06	3.4	14	8	5	18	nw.	U. S. Weather Bureau
Conception	Nodaway	980	52	28.2	+ 3.5	57	12	0	18	30	57	2.88	+2.09	1.14	9.5	10	9	4	18	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	21	31.2	+ 4.3	62	12	3	18	36	30	3.22	+2.37	0.80	11.0	9	12	0	19	e.	Fred L. Stiff
Elsberry	Lincoln	449	10	33.4	+ 1.8	62	12	7	19	38	10	3.00	+0.83	1.00	4.0	12	8	8	15	nw.	Ray E. Mills
Fayette	Howard	760	61	32.3	+ 5.3	63	12	4	18	37	58	3.51	+1.72	1.18	7.4	15	11	3	17	nw.	Irvin E. Schnell
Fulton	Callaway	818	53	32.8	+ 3.3	64	12	8	18†	39	49	3.60	+1.58	0.84	7.4	11	11	2	18	se.	Clyde C. Herring
Grant City	Worth	1,134	37	28.2	+ 3.4	60	12	1	18	37	49	3.17	+2.20	1.27	11.0	11	7	6	18	nw.	Howard Rybolt
Hannibal	Marion	759	49	30.3	+ 3.2	58	12	3	18	30	57	4.15	+2.43	1.40	9.5	15	12	1	18	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	52	32.2	+ 4.0	62	12	5	18	30	52	4.91	+3.72	1.44	11.8	12	8	2	21	nw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	3	33.4	......	56	11	5	18	26	3	4.36	......	0.70	10.7	13	8	3	20	sw.	University of Kansas City
Kidder	Caldwell	1,020	49	29.9	+ 3.9	58	12	2	18	28	53	4.03	+2.81	0.90	9.4	11	13	0	18	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	52	29.4	+ 4.6	58	12	2	18	30	59	3.55	+2.03	0.80	10.9	12	11	2	18	nw.	Howard Coons
Lawson	Ray	1,070	3	31.0	......	60	12	3	18	26	3	5.74	......	1.72	11.5	15	8	5	18	nw.	Elmer E. Lamb
Louisiana	Pike	469	47	32.8	+ 4.7	59	12	2	19	32	60	3.75	+1.60	1.13	8.0	9	15	1	15	w	Stark Bro's Nurseries
Macon	Macon	875	42	29.4	+ 1.9	57	12	3	18	33	48	3.54	+1.84	0.75	7.2	12	8	7	16	sw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	51	28.0	+ 5.1	56	12	1	18	28	47	1.98	+0.98	0.53	10.0	11	10	2	19	nw.	R. B. Montgomery
Memphis	Scotland	787	2	27.2	......	58	12	2	18†	37	11	2.82	+1.29	0.55	11.6	11	13	0	18	nw.	John W. Alexander
Mexico	Audrain	800	52	31.6	+ 3.6	64	12	5	18†	41	63	4.48	+2.45	1.26	9.0	12	7	0	24	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	4	32.1	......	61	12	5	18	30	4	4.49	......	1.32	8.6	15	12	2	17	w.	Beverly Coomes
Oregon	Holt	1,048	85	30.0	+ 5.9	56	12	0	18	27	85	2.54	+1.61	0.65	15.5	10	11	3	17	nw.	Miss Mina Wright
St. Charles	St. Charles	520	53	33.4	+ 2.4	66	12	10	19	38	63	2.94	+0.79	1.12	1.3	9	7	5	19	sw.	Martin L. Comann
St. Joseph	Buchanan	957	31	30.3	+ 4.8	60	12	4	18	26	69	3.36	+2.08	1 04	13.5	13	10	3	18	nw.	U. S. Weather Bureau
Steffenville	Lewis	650	43	28.2	+ 0.8	52	12	2	19	32	48	3.93	+1.92	0.70	12.5	13	6	5	20	e.	Frank Hall
Tarkio	Atchison	916	38	28.2	+ 5.3	54	12	1	18	33	47	1.43	+0.69	0.35	8.5	9	9	4	18	se.	Albert Volker
Trenton	Grundy	822	45	30.2	+ 3.9	60	12	4	18	83	46	3.44	+2.10	0.88	11.5	11	11	3	17	sw.	W. H. Estes
Unionville	Putnam	1,062	48	27.0	+ 3.5	60	12	0	18†	42	48	3.45	+1.73	0.90	15.5	12	12	2	17	nw.	John H. Schick
Warrenton	Warren	816	59	33.9	+ 4.7	64	12	5	19	34	51	3.78	+1.59	0.85	8.0	13	8	7	16	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	69	29.2	+ 4.3	55	12	4	18	24	69	3.23	+1.67	1.31	10.1	15	8	3	20	nw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**30.5**	**+ 3.8**	**66**	**12**	**0**	**18†**	**42**	..	**3.59**	**+1.94**	**1.72**	**9.7**	**12**	**10**	**3**	**18**	**nw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	37	38.8	+ 2.9	68	12	3	19	45	42	4.22	+1.69	1.76	2.5	10	9	6	16	sw.	E. S. Taylor
Appleton City	St. Clair	813	46	35.0	+ 3.7	65	12	5	18†	35	49	4.71	+2.87	1.35	4.0	11	10	0	21	sw.	Rolla Brown
Bolivar	Polk	1,071	38	37.9	+ 4.0	66	12	8	18	31	46	3.17	+1.24	1.00	0.3	13	11	3	17	sw.	Southwest Baptist College
Boonville	Cooper	650	3	31.3	......	61	12	6	18	33	64	3.23	+1.51	0.87	2.9	10	9	4	18	e.	Boonville Water Dept.
Carthage	Jasper	962	7	38.6	......	67	12†	8	18	41	17	3.35	......	0.73	2.2	12	7	15	9	se.	Carthage W. and E. Plant
Clinton	Henry	786	48	35.2	+ 3.5	65	12	6	18	34	54	4.43	+2.40	1.29	2.0	14	3	10	18	nw.	U. S. Weather Bureau
Eldon	Miller	934	46	31.6	+ 3.5	67	12	9	19	39	42	3.52	+1.76	0.95	3.0	11	8	4	19	e.	E. H. Shepherd
Harrisonville	Cass	904	63	31.9	+ 4.6	61	12	4	18†	32	66	4.51	+2.94	1.06	7.0	16	7	3	21	nw.	John H. Patterson
Jefferson City	Cole	557	51	32.8	+ 3.0	66	12	8	18†	41	59	3.96	+1.98	0.93	3.4	11	8	3	20	e.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	19	38.7	+ 3.8	65	11†	8	18	30	36	2.56	+0.40	0.50	....	12	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	10	36.0	......	67	12	11	18†	42	10	4.03	......	0.98	....	13	..	..	..	nw.	W. S. Frame
Lamar	Barton	980	53	36.0	+ 3.9	69	12	5	18†	45	60	2.82	+0.99	0.75	1.0	11	9	0	22	se.	Jesse A. Mann
Lebanon	Laclede	1,265	53	37.6	+ 5.1	70	11†	8	18	45	54	3.20	+0.56	0.84	0	9	7	7	17	se.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	56	31.6	+ 3.8	62	12	4	18	33	57	5.37	+3.85	1.22	14.5	14	8	6	17	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	35	37.6	+ 4.3	65	11†	8	18	35	45	2.95	+1.09	0.60	1.5	10	10	5	16	sw.	Hubert A. Nieman
Marshall	Saline	779	54	33.4	+ 5.5	62	12	5	18	32	51	3.77	+2.12	1.23	8.5	11	12	1	18	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	40	37.4	+ 4.6	65	12	11	18†	37	44	2.84	+0.11	0.56	0.1	10	9	6	16	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	29	38.2	+ 4.9	69	12	6	18	39	41	3.67	+0.96	1.10	1.5	12	6	8	17	se.	G. H. Boswell
Neosho	Newton	1,011	54	39.8	+ 4.7	67	12	4	19	40	58	3.03	+0.56	1.20	1.0	12	10	6	15	w.	U. S. Fisheries Station
Nevada	Vernon	862	48	36.0	+ 4.1	66	12	5	18†	39	49	3.68	+1.85	0.92	8.0	9	12	0	19	nw	Henry Kraft
Ozark Beach	Taney	700	1	38.8	......	70	11†	13	19	51	16	3.71	+0.74	1.45	T.	11	6	3	22	......	V. Smith
Sedalia	Pettis	910	28	35.1	+ 8.7	64	12	5	18	29	30	3.72	+1.47	0.74	1.8	12	9	4	18	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	40	39.6ᵃ	+ 4.5	66	12	7	18†	36	38	4.55	+1.76	1.88	1.0	9	10ᵃ	8ᵃ	12ᵃ	e.	Floyd E. Fawver
Seymour(near)	Webster	1,642	35	37.2	+ 3.2	64	11	9	18	35	35	3.10	+0.51	0.77	T	7	9	4	18	nw.	A. L. Hailey
Springfield	Greene	1,301	53	36.8	+ 3.3	64	12	8	18	34	53	2.82	+0.48	0.79	1.3	14	6	5	20	se.	U. S. Weather Bureau
Warrensburg	Johnson	878	54	34.2	+ 5.5	63	12	5	18	30	61	4.46	+2.68	1.27	7.0	14	10	2	19	sw.	E. A. Markey
Warsaw	Benton	687	40	36.4	+ 3.5	67	12	5	18	42	46	4.20	+2.06	0.89	1.5	10	11	4	16	n.	Everett Martin
Division means	**and extremes**	.....	..	**36.2**	**+ 4.3**	**70**	**11†**	**3**	**19**	**51**	..	**3.70**	**+1.51**	**1.88**	**3.0**	**11**	**9**	**5**	**18**	**se.**	
Southeastern Division																					
Advance	Stoddard	354	4	37.0	......	60	12	13	19	37	4	34.4	......	1.39	T.	12	4	9	18	s.	U. S. Weather Bureau
Arcadia	Iron	926	60	35 6	+ 3.7	67	12	9	19	48	63	2.80	−0.19	1.05	T	9	9	6	16	......	Arcadia College
Birch Tree(near)	Shannon	1,000	46	37.5	+ 3.0	65	10	8	19	52	47	2.57	−0.61	1.05	0	5	12	7	12	uw.	V. H. Kirkendall
Campbell	Dunklin	314	15	40.8	+ 3.1	65	14	15	19	34	15	2.61	−2.69	1.20	0	9	11	9	11	ne.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	45	39.7	+ 0.6	67	14	17	19	38	49	2.80	−2.39	1.24	0	8	16	1	14	s.	Victor T. Malloure
Crystal City	Jefferson	420	7	34.6	......	67	12	8	19	46	7	2.25	......	0.59	2.0	10	6	10	15	e.	Frank Magre
Doniphan	Ripley	344	37	39.2	+ 3.4	64	13	10	19	49	37	3.75	−0.35	1.43	0	10	10	7	14	se.	Boyce Lackey
Farmington	St. Francois	896	30	37.4	+ 4.8	65	11†	11	19	41	44	1.93	−1.21	0.70	T.	7	11	2	18	w.	F. M. Karsch
Goodland	Iron	1,000	48	35 5	+ 2.9	65	12	6	19	49	48	2.37	−0.33	0.58	0	8	10	7	14	n.	F. M. Adams
Greenville	Wayne	381	32	38.8	+ 3.8	66	12	9	19	49	34	2.53	−0.79	0.87	0	9	9	6	16	n.	Beuford Shoemake
Jackson	Cape Girardeau	428	50	37.8	+ 4.0	58	21	12	19	32	51	4.17	+0.23	1.32	0	9	11	5	15	n.	L. R. Crites
Koshkonong	Oregon	958	40	39.3	+ 2.8	65	12	12	19	42	41	3.26	−0.36	1.05	T ¶	9	12	2	17	e.	R. M. Hitt
Licking(near)	Texas	1,170	4	37.0	......	67	12	9	19	45	4	2.31	......	0.57	0	9	9	8	14	nw	U. S. Forestry Service
Marble Hill	Bollinger	470	46	38.6	+ 4.0	63	10	9	19	49	48	3.65	−0.22	1.24	0	9	10	5	16	n.	R. A. DeWitt
Poplar Bluff	Butler	339	36	39.8	+ 3.8	63	12	12	19	42	37	3.68	−0.74	1.45	0	7	12	14	5	nw.	B. R. Wheetley
Rolla	Phelps	1,202	41	35.5	+ 3.6	67	12	9	19	37	57	2.65	+0.19	0.70	0.7¶	11	6	7	18	nw.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	104	35.4	+ 4.3	64	12	10	18	31	104	2.38	+0.04	0.93	3.3	12	7	6	18	nw.	**Section Center**
St. Louis Airport	St. Louis	556	4	33.9	......	64	12	9	19	35	10	2.27	......	0.78	1.8	13	4	·9	18	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	29	35.2	+ 3.2	64	12	11	18†	32	29	2.08	−0.52	0.63	2.7	13	10	4	17	w.	St. Louis University
Salem	Dent	1,173	37	36.0	+ 3.4	66	12	10	19	41	40	2.48	−0.24	0.49	0	10	12	3	16	s.	E. E. Martin
Sikeston	Scott	318	34	38.0	+ 1.0	67	14	15	19	35	44	3.06	−1.80	1.10	0	7	5	20	6	n.	Mrs. Hazel P. Young
Union	Franklin	520	3	35.9	......	70	12	9	19	47	24	2.97	+0.65	0.68	2.3	11	10	3	18	ne.	Robert Mueller
Wappapello Dam	Butler	475	2	37.8	......	63	10	11	19	44	2	4.10	......	1.41	T.	10	12	3	16	e.	J. E. Harus
West Plains	Howell	1,005	4	37.8	......	65	12	13	19	46	4	3.11	......	1.30	1.0	7	9	5	17	nw.	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	69	38.6	+ 3.7	63	14	15	19	30	70	2 33	−1.43	0.94	T.	12	5	7	19	n.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**37.3**	**+ 3.3**	**70**	**12**	**6**	**19**	**52**	..	**2.93**	**−0.45**	**1.63**	**0.6**	**9**	**9**	**7**	**15**	**nw.**	
State means	**and extremes**	.....	..	**34.7**	**+ 4.0**	**70**	**11†**	**0**	**18†**	**52**	..	**3.41**	**+1.00**	**1.88**	**4.4**	**11**	**9**	**5**	**17**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters ᵃ, ᵇ, ᶜ, appearing in the table indicate number of days missing; for example, ᵇ, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for January 1941

Stations	Drainage basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Amity[2]	Grand	.91	.30		T.		.01	.05	T.						.26	.08	.01	.82	.09				.68	.11	.08		.45		T.	T.	T.		3.85
Bethany	...do	1.18					.11							T.	.87	.10	.15	.10				.20		.20		.30							2.74
Bowling Green[2]	Mississippi	.92	.65		T.			T.	T.	.02					.47	.06	.04	.40	.18				.36		.24		.35				T.		3.69
Brunswick[2]	Grand	.78	.52		.02		T.	.05		.06					.65	.12		1.15	.15				.22	.10	.14		.55				.07		4.58
Canton, Lock No. 20[2]	Mississippi	.45	.68					.02		.01					.46	.07	.06	1.14	.16				.18	.02	.19		.47	T.		T.			3.90
Centralia[2]	...do.	.53	.30												.35	.01		.45					.30	.01	.20		.51						2.66
Chillicothe[2] (A)	Grand	.52	.34		T.		T.	.03	T.					T	.52	.23	.02	.55	.05				.48	.03	.03		.79						3.59
Clifton Hill	Chariton	1.00		.02					.05					.31	.47	.02	.36	.84					.28	.10	.08	.67							4.20
Columbia [1]‡	Missouri	.81	T	T.	.05			T.	.01					.24	.01	.01	.52	.24	T.				.08	.10	.04	.51	.01		T.	T.	.22		2.85
Conception	...do	1.14					.13	T.							.25	.06	.04	.30				T.	.20	.22		.30	.24						2.88
Edgerton	Missouri	.17			T.		.22	T.	T.					.14	T.	T.	.43	.48					.62	.20	T.	.80	.16		T.				3.22
Edina[2]	Mississippi	.60	.37					.05							.61	.09	.03	.49	.09				.13	*	.14		.50						3.10
Elsberry	...do	1.00	.15		.04			.03						.24	.15	.10	.30	.60					.08	T.		.11	.20						3.00
Farber[2]	...do	.92	.76												.56	.09		.59	.20				.30		.30		.42						4.14
Fayette	Missouri	1.18			.02	T.		.01	.01					.21	.15	.02	.35	.50					.15	.13	.11	.37	.14		T.	T.	.16		3.51
Fulton[2]	...do	.24	.50		.25				T.	T.				T.	.49	.04	.11	.58	.11						.22		.84				.22		3.60
Gallatin[2]	Grand	.91	.25					.10							.25		.20	.61	.20				.70	T.	.20		.40						3.85
Gorin	Mississippi	.40	.40				.20	.10	T.					.16	.35	T.	T.	.59					.21	.20	.21	*	.68						3.50
Grant City	Grand	1.27	.05				.12	T.						T.	.24	.08	.08	.35				T.	.16	.21	T.	.40	.21						3.17
Hannibal[3] (A)	Mississippi	1.40	T.	.01			.01	.01	.01					.66	.19	.08	.53	.22					.24	.15	.15	.37	.12						4.15
Hermann[2]	Missouri	1.30	.10		T.										.60	.08	T	.52	.09				.04		.24		.54				.24		3.75
Kahoka[2]	Mississippi	.35	.52					.15							*	.20	.22	*	.58				.20	T.	.20	T.	.60						3.02
Kansas City Airport [1]‡	Missouri	.98		T.	T.	T.	.15	T	.02					.42	.27	.06	1.07	.41				.70	T.	.09	T.	.71	T.	T.	T.	T.	.03		4.91
Kansas City University	...do	.58					.08	.07	T.					.08	.54	.18	.67	.68					.70	.06		*	.70				.02		4.36
Kidder[2]	Grand	.90	.60				T	.07							.51	.09	T.	*	.57				.46	.09	.06		.68						4.03
King City	Missouri	1.33					.08	.21	T.					.10	.14	.03	.34	.46				T.	.44	.20		.70							4.03
Kirksville	Mississippi	.80	.37				*	.16	T.					*	.63		.09	.47					.33	.10	.15		.45						3.55
LaBelle[2]	...do	.82	.91					.04							.74	.04	.05	*	.74				.26	*	.12		.46						4.18
Lawson	Missouri	1.72	.10		T.		.08	.02						.31	.45	.14	.36	.71				T.	.59	.12	.02	.47	.30				.35		5.74
Linneus[2]	Grand	.54	.30				T.	.09	.01						.45	.08	T.	.51	.04				.59	.04	.07		.47				T.		3.19
Louisiana (A)	Mississippi	1.13							.20					.57	.10	.30		.10					.60		.40		.35						3.75
Lucerne[2]	Grand	.31	.44					.09							.06	.23		.19					.42	.11	.12		.40						2.37
Macon[2]	Chariton	.75	.36		T.			.04		T.					.66	.03	.10	.74	.13				.32	.06	.10		.25						3.54
Madison[2]	Mississippi	.62	.50		.04										.75	.02		.76	.23			.11		.05	.18		.43						3.69
Maryville	Missouri	.53					.07	T.							.26	.05	.02	.26				T.	.17	.15	.05	.27	.15						1.98
Memphis[2]	Mississippi	.30	.47					.15							.15	.17	.05	.40	.04				.21	T.	.33		.55						2.82
Mexico[2]	...do	1.26	.55		.05			T.		.02					.45	.05	.05	.70	.25				.25		.30		.55						4.48
Milan[2]	Grand	.60	.42				T.	.14							.34	.03		.27	.13				.62	.05	.07		.72						3.39
Moberly	Mississippi	1.20	.12		.10			.25	.05					.17	.55	T.	.24	.63	.15				.25	.12	.14	.20	.32						4.49
Monroe City	...do	.97	.18						T.					.84		.05	.42	.51					.21		.20		.42						3.80
Oregon	Missouri	.33					.22	.03						T.	.22	T.	.25	.40					.09	.30	T.	.65	.05						2.54
Palmyra[2]	Mississippi	.20	.80		T.					T.					.50	.14	.03	.60	.30				.05	.10	.08		.40						3.20
Paris[2]	...do	.62	.53		.06			.02		T.					.58	.03	T.	.75	.19				.13	.05	.21		.44						3.61
Perry[2]	...do	.85	.55												.45			.65	.17				.30	*	.40	.15	.32						3.84
Philadelphia[2]	...do	*	1.20		.02			.04							.70	*	.15	.50	.40				.10	.14	.08		.50	.04					3.87
St. Charles[2]	Missouri	1.12	.09		.02			T.							.45	.10	T.	.54	.11						.26		.25						2.94
St. Joseph[1]‡	...do	.87		T.		T.	.09	T.	T.					.24	.16	.05	.58	.39				.15	.04	.18	T.	.55	T.	T.	T.	.04	.02		3.36
Saverton, Lock No. 22[2]	Mississippi	.62	.82		.04			.02	T.						.83	.25	.01	.60	.08				.50		.30		.35				T.		4.42
Shelbina	...do	.95	.49					T.							.73		.10	.82	T				.35		.18		.50						4.12
Shelbyville[2]	...do	.97	.52												.39	.37	.17	.67	.27				.37		.30		.40						4.43
Steffenville[2]	...do	.60	.40					.05	T.	.03					.70	.03	.10	.40	.62				.31	.10	.27		.32						3.93
Tarkio	Missouri	.35					.07								.15			.10					.03	.23	.22	.25	.03						1.43
Trenton	Grand	.88	.06				.12							.12	.37	T.	.12	.40					.69	.19		*	.49			T.			3.44
Troy[2]	Mississippi	1.00	.08		.02				T.	.01					.46	.14	.10	.68	.08				.03	T.	.23		.75				T.		3.58
Unionville[2]	Chariton	.34	.53				T.	.20	T.						.28	.18		.23	.03		.05		.30	.20	.21		.90						3.45
Warrenton	Mississippi	.85	.48		.04			T.	T.					.45	.10	.18	.60	32	.04				.02		.30	T.	.30				.10		3.78
Keokuk, Iowa [1]‡	...do	1.28	.04	T.	T.		.02	.02	T.					.11	.17	.08	.26	.58				.01	.14	.11	.11	.16	.14			T.			3.23
Southwestern Division																																	
Altona[2]	Osage	.42	.47					.12						.15	.40	.18	.01	*	.93					T.	T.	T.	1.03				*	.35	4.06
Anderson (near)	Neosho	1.76					T.	.06						.08	.43	.09	.22	.44	T.					.48		.44	T.	T.			.22		4.22
Appleton City	sage	.73					*	.25						.40	.25	.15	.85	.25								*	1.35				.48		4.71
Bolivar	...do	1.00	.05					.02						.08	.09	.19	.38	.05					T.	.03	.08	.96	.01		T.		.23		3.17
Boonville[2] (A)	Missouri	.57	.32					T.						.05	.26			.87	.07				.30	T.	.11		.47				.21		3.23
Buffalo[2]	Osage		1.12											.13	.11	.12		.91							.22		.78			.16	.03		3.58
Caplinger Mills	...do	T.				T.	.02							.17	.23	.05	.49	.02	T.					T.	T.	.65	.02				.32		1.97
Carthage	Neosho	.73	.04				.02	T.						.12	.38	.17	.61	.36						.05		.52	.05				.30		3.35
Clinton[4]	Osage	.35					.07	.04	T					.50	.40	.03	1.08	.34				.02		.05	.02	1.03			.01		.49		4.43
Concordia[2]	Missouri	.65	.43					.10		.04				.06	.31	.13	.03	1.04	.11				.32	.05	.05	.16	.78						4.26
Eldon[2]	...do	.84	.02						T.					.01	.55	.01	.03	.70	.06						.24		.95				.11		3.52
Galena[2]	White	1.08						.50						T.		.34	T.	.17							.50		.44				.10		3.13
Hailey	...do	.43	1.65												T.	.31	.64						T	.23	.21	.72					.04		4.23
Harrisonville[2]	Osage	.34	.96				*	.13						.08	.48	.24	.03	1.06	.25				.06	.03	.10		.42				.29	.04	4.51
Jefferson City[2]	Missouri	.80	.39						T.					.04	.79	.06	.08	.39	.12						.31		.93				.05		3.96
Joplin[3]	Neosho	.44					.09	.02						.29	.46	.06	.23	.14						.03		.50					.20	.10	2.56
Lakeside[2]	Osage	.98	.05					T.						.20	.28	.02	.07	.86	.09				.01	T.	.21		.98				.25	.03	4.03
Lamar[2]	Neosho	.25	.15					T.						.10	.20	.25	.05	.75	.15					T.			.55				.30	.07	2.82
Lebanon	Osage	.70												.16		.07	.84	.16						.25	.09	.71					.22		3.20
Lexington[2]	Missouri	.47	1.05					.12	.03					.02	.71	.08	.02	1.22	.10				.51	.10	.09		.85						5.37
Lockwood	Osage	.40						T.						.15	.26	.22	.58	.36					T.	T.	.04	.60	.02				.32		2.95
Marshall	Missouri	1.23	T.				T.	.05	T.					.20	.22		.46	.26					.35	.20	.20	.50	.10						3.77
Mountain Grove	White	.53												.02		.15	.51	.56						.33	.25	.31	.08				.10		2.84
Mount Vernon	Neosho	1.10	.10				T.	T.						.20		.40	.20	.37						.10	.15	.50	.05				.30	.20	3.67
Neosho	...do	1.20	T.				T.	.03						.04	.35	.20	.22	.19	T.				T.	.03	.07	.45	.06				.19		3.03
Nevada	Osage	.30					.33	T.						.35	.38	.11	.56	.40					T.			.92	T		T.		.33		3.68
Osceola[2]	...do	.50	.05					.05						.12	.30	.15	.04	.75	.10								.95				.25	.17	3.43
Ozark Beach[2]	White	1.45	.15					.02								.57	.06	.21	.04						.62		.46				.07	.06	3.71
Pleasant Hill[2]	Osage	.61	1.06				*	.18	T.	.03				.03	.62	.21		.99	.38				.18	*	.18		.83			T.	.19		5.49
St. Thomas (near)[2]	...do.	.81												.06	.46	.05		.40	T.					T.	.28		1.00				.07		3.13
Sedalia	Missouri	.72					T.	T.	T.					.43	.07	.04	.68	.56					.10	.04	.11	.74	.16				.07		3.72
Seligman	Neosho	1.88	T.					T.							.30	.33	.11	.25					.63	.67	.09	.29					T.		4.55
Seymour (near)	White	.77						T.								.17	.75	T.	T.				T.	.55	.33	.38					.15		3.10
Springfield [1]‡	...do	.71					T.	.03	T.					.01	.15	.03	.72	.13	.01			T.	T.	.36	.01	.50	.01	T.	.01		.14		2.82
Stover[2]	Missouri	.30	.22					.01						.16	.34	.12	.09	1.08	.23						.13		.95				.15		3.78
Sweet Springs	...do	1.04					T.	.02	.01	T.				.15	.15	.03	.64	.62					.27	.07	.14	.65	.11				T.		3.90
Warrensburg	Missouri	1.27					.08	.04	T.					.30	.19	.02	.87	.58					.12	.02	.20	.72	.02	T.			.03		4.46
Warsaw (A)	Osage	.78						.03						.43		.26	.77	.39						T.	.03	.89	.03		T.		.59		4.20
Waverly[2]	Missouri	.20	.60					.07	T.	.07					.80	.03		1.07	.07				.20	.05	.07		.52				.10		3.85

Continued on next page

Daily Precipitation for January 1941—Continued from preceding page

Stations	Drainage-basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Southeastern Division																																	
Advance[4]	St. Francis	.77	.08	....	....	....	....	....	.01	T.	....	....	....	.01	.09	.05	.56	.12	T.	....	....	T.	T.	1.37	.02	.22	T.	....	....	....	.14	....	3.44
Alton (near)	Black	.69	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.21	.71	.05	....	....	....	....	.93	.55	....	.40	....	....	....	.09	....	3.63
Annapolis	St. Francis	.86	....	....	....	....	....	....	....	....	....	....	....	....	.10	....	.42	.10	T.	....	....	....	....	.55	.37	.08	.26	....	....	....	.09	....	2.83
Arcadia[2]	....do	1.05	.07	....	....	....	....	....	....	....	....	....	....	....	.01	.04	T.	.39	T.	T.	....	....	T.	T.	.83	T.	.28	....	....	....	.02	.11	2.80
Belleview	Meramec	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.42	....	....	....	....	....	....	*	.23	....	.28	....	....	....	....	....	0.93
Birch Tree (near)	Black	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.81	.24	....	....	....	....	....	.60	.42	....	.50	....	....	....	....	....	2.57
Bragg City[2]	St. Francis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.69	....	.43	....	....	....	.84	....	.64	....	2.60
Campbell	....do	.46	....	....	....	....	....	....	....	....	....	....	....	....	....	.18	.14	.22	....	....	....	....	.01	.12	1.08	....	.18	....	....	....	.22	....	2.61
Cape Girardeau[2]	Mississippi	.60	.33	....	....	....	....	....	....	....	....	....	....	....	T.	.06	.02	.48	.07	....	....	....	.01	....	1.32	T.	.08	....	....	....	.01	.18	3.16
Caruthersville[2]	....do	....	.10	....	....	....	....	....	....	....	....	....	....	....	....	.42	.05	.35	....	....	....	....	.17	....	1.24	....	.17	....	....	....	....	.30	2.80
Centerville[2]	Black	1.23	.03	....	....	....	....	....	....	....	....	....	....	....	T.	.05	....	.71	T.	....	....	....	....	....	.98	....	.36	....	....	....	.10	.05	3.51
Crystal City	Mississippi	.59	....	....	T.	....	....	T.	.02	T.	....	....	....	.42	.02	.08	.38	.08	T.	....	....	....	....	.04	.38	....	....	....	....	....	.24	....	2.25
Cuba[2]	Meramec	.75	.16	....	....	....	....	....	....	....	....	....	....	....	....	.49	....	.60	....	....	....	....	....	....	....	....	.87	....	....	....	....	....	2.87
Dexter[2]	St. Francis	T.	.05	....	....	....	....	....	....	....	....	....	....	....	....	.15	....	.62	.14	....	....	....	.02	....	1.40	....	.26	....	....	....	T.	.22	2.86
Doniphan	Black	.82	....	....	....	....	....	....	....	....	....	....	....	....	....	.07	.83	*	.15	....	....	....	....	.55	.88	.03	.24	....	....	....	.18	....	3.75
Farmington	St. Francis	.70	....	....	....	....	....	....	....	....	....	....	....	.01	....	.07	.40	.13	....	....	....	....	....	.42	.20	....	....	....	....	....	....	....	1.93
Fisk[2]	....do	1.04	.32	....	....	....	....	....	....	....	....	....	....	....	....	.27	T.	.45	....	....	....	....	T.	....	1.59	....	.16	....	....	....	T.	.09	3.92
Fredericktown[2]	....do	1.05	.25	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	.45	.03	....	....	....	....	....	.96	....	.20	....	....	....	.04	.14	3.17
Goodland	Black	.50	....	....	....	....	....	....	....	....	....	....	....	.04	....	....	.53	.17	....	....	....	....	....	.11	.47	....	.35	....	....	....	.20	....	2.37
Greenville	St. Francis	.61	.10	....	....	....	....	....	....	....	....	....	....	....	....	.15	.29	.10	T	....	....	....	....	.33	.54	....	.27	....	....	....	.14	....	2.53
Jackson	Mississippi	1.29	.11	....	....	....	....	....	....	....	....	....	....	....	....	.15	.60	.07	....	....	....	....	....	.12	1.32	....	.26	....	....	....	.25	....	4.17
Jerome[2]	Gasconade	.65	....	....	....	....	....	....	....	....	....	....	....	.03	.37	.04	....	.67	....	....	....	....	....	....	.17	....	.64	....	....	....	.15	.20	2.92
Koshkonong	Black	.60	....	....	....	....	....	....	....	....	....	....	....	....	....	.15	.40	.20	....	....	....	....	....	1.05	.25	.28	.25	....	....	....	.08	....	3.26
Leeper[2]	....do	1.63	.20	....	....	....	....	....	....	....	....	....	....	....	....	.08	....	.45	T.	....	....	....	....	....	1.20	....	.35	....	....	....	T.	.10	4.01
Licking (near)	Gasconade	.57	....	....	....	....	....	....	....	....	....	....	....	*	.07	....	.47	.21	T.	....	....	....	....	.03	.46	.32	T.	....	....	....	.18	....	2.31
Marble Hill	Mississippi	1.24	.05	....	....	....	....	....	....	....	....	....	....	....	....	.05	.54	.12	....	....	....	....	....	.22	1.00	....	.32	....	....	....	.11	....	3.65
Meramec Park[2]	Meramec	.29	.12	....	....	....	....	....	....	....	....	....	....	.10	.26	.29	.19	.32	.12	....	....	....	....	....	.33	....	.76	....	....	....	.06	....	2.84
Morehouse	Mississippi	.89	....	....	....	....	....	....	....	....	....	....	....	....	....	.17	.33	.25	....	....	....	....	....	T.	1.17	....	T.	....	....	....	.20	....	3.01
New Madrid[2]	....do	....	.07	....	....	....	....	....	....	....	....	....	....	....	....	.31	.11	.29	T.	....	....	....	.09	.06	1.04	....	.16	.02	....	....	....	.26	2.41
Owensville[2]	Gasconade	.45	.26	....	....	....	....	....	....	....	....	....	....	....	.24	.18	....	....	....	....	....	....	....	....	.46	....	.54	....	....	....	....	....	2.13
Pacific[2]	Meramec	.98	.14	....	....	....	....	....	....	....	....	....	....	....	.30	.20	....	.62	T.	....	....	....	....	....	.50	....	....	....	....	....	....	....	2.74
Parma[2]	St. Francis	.19	.30	....	....	....	....	....	....	....	....	....	....	....	....	.22	....	.56	....	....	....	....	.07	....	1.03	....	.23	....	....	....	....	.26	2.86
Poplar Bluff[2] ....(A)	Black	1.17	.10	....	....	....	....	....	....	....	....	....	....	....	....	.20	T.	.40	....	....	....	....	....	....	1.45	....	.23	....	....	....	T.	.13	3.68
Richwoods[2]	Meramec	.80	.10	....	T.	....	....	....	....	....	....	....	....	....	.39	....	.08	.59	....	T.	....	....	T.	....	.15	....	.75	....	....	....	T.	....	2.86
Rolla[4]	....do	.60	T.	....	....	....	....	T.	T.	....	....	....	....	.43	.05	.01	.36	.10	T.	....	....	....	T.	.17	.02	.70	.02	....	....	T.	.19	....	2.65
St. Louis:																																	
City Office[1]‡	Mississippi	.84	T.	....	T.	....	....	.01	T.	....	....	....	....	.47	T.	.03	.37	.09	.01	....	....	....	T.	.28	.02	.24	.01	....	T.	T.	.01	....	2.38
Airport[4]‡	Missouri	.61	T.	....	.01	....	....	T.	T.	....	....	....	....	.44	.03	.06	.38	.26	T.	....	....	....	.02	.11	.05	.26	.01	....	T.	T.	.03	....	2.27
St. Louis Univ.[3]‡	Mississippi	.63	....	....	.01	....	....	.01	....	....	....	....	....	.39	.01	.03	.28	.07	....	....	....	....	.01	.10	.20	.24	.10	....	....	....	....	....	2.08
Washington Univ.[2]‡	....do	.78	.17	....	....	....	....	....	....	....	....	....	....	....	.49	.07	.01	.54	.20	....	....	....	.02	....	.30	....	.35	....	....	....	.02	....	2.95
Salem	Meramec	.49	....	....	....	....	....	....	....	....	....	....	....	....	.10	.06	.42	.14	....	....	....	....	....	.16	.46	.14	.26	....	....	....	.25	....	2.48
Sikeston[2]	Mississippi	.75	T	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	.52	T.	....	....	....	T.	....	1.10	....	.18	....	....	....	.10	.11	3.06
Union	Meramec	.68	.08	....	.02	....	....	....	....	T.	....	....	....	.49	....	.07	.53	.24	.08	....	....	....	T.	....	.32	....	.36	....	....	....	.10	....	2.97
Valley Park[2]	....do	.60	.18	....	T.	....	....	....	T.	T.	....	....	....	....	.15	.12	....	.46	.13	....	....	....	T.	....	.34	....	.32	....	....	....	.18	....	2.48
Van Buren	Black	.75	.35	....	....	....	....	....	....	....	....	....	....	....	.05	....	.76	.10	....	....	....	....	....	.35	.68	.30	....	....	....	....	.11	....	3.45
Wappapello Dam[2]	St. Francis	1.40	.10	....	....	....	....	....	....	....	....	....	....	....	....	.21	.02	.51	.02	....	....	....	T.	....	1.41	....	.30	....	....	T.	.07	.06	4.10
West Plains[4]	Black	.55	....	....	....	....	....	T.	....	....	....	....	....	....	.05	.02	.71	T.	T.	....	....	....	....	1.30	....	.40	T.	....	T.	....	.08	....	3.11
Williamsville[2]	....do	1.24	.25	....	....	....	....	....	....	....	....	....	....	....	....	.14	....	.34	.06	....	....	....	....	....	1.12	....	.49	....	....	....	.10	.04	3.78
Willow Sprgs. (near)[2]	White	.80	T.	....	....	....	....	....	....	....	....	....	....	....	....	.15	.16	.46	....	....	....	....	....	....	.77	....	.37	....	....	....	....	.08	2.79
Zalma (near)[2]	Mississippi	1.06	.31	....	....	....	....	....	....	....	....	....	....	....	....	.08	.04	.77	.06	....	....	.01	....	....	1.28	....	.30	....	....	....	....	.13	4.04
Cairo, Ill.[1]‡	....do	.21	....	....	....	....	....	....	T.	....	....	....	....	.02	.11	.10	.63	.10	T.	....	....	....	.02	.85	.09	.08	.01	....	....	....	.11	....	2.33

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖ Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking (near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour (near), Steffenville, Tarkio, Wappapello Dam, Warsaw, and Washington University (St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for January 1941

(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside (Osage Dam)	Evaporation	.052	.035	.054	.096	*	*	*	.206	.030	.041	.021	.045	.036	.000	.014	.002	.003	*	*	*	.175	.018	.017	****	.017	.029	.048	.032	.018	.015	.035	1.038
	Mean temperature	52	41	36	24	22	26	32	40	36	39	42	46	43	44	44	46	35	18	25	38	42	39	34	33	36	34	31	29	32	36	44	36.0
	Wind movement	57	68	35	100	80	60	61	40	69	44	47	13	15	40	56	24	51	139	76	34	19	118	68	42	55	70	106	64	72	47	30	1,800
St. Louis (Washington University)	Evaporation	.000	.100	.056	*	*	*	*	*	*	*	*	*	.246	.072	‡‡‡‡	.000	.001	*	*	*	*	.077	.010	††††	.000	.000	.000	*	*	*	*	.....
	Mean temperature	46	42	36	21	16	20	26	34	32	38	32	46	38	38	41	44	41	16	20	28	41	42	33	32	34	34	30	28	30	38	39	33.4
	Wind movement	38	62	37	57	73	42	32	10	46	46	66	23	19	56	45	12	21	81	51	33	19	80	66	52	24	54	68	61	76	38	27	1,375

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports respectively. * Included in next measurement. ‡‡‡‡ —.006. **** —.001. †††† —.031.

Continued from page 1

MISCELLANEOUS PHENOMENA

Fog.—Dense, 1st, 7th, 8th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 22d, 23d, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st.

Glaze.—13th, 14th, 15th, 18th, 23d.

Hail.—Light, 21st at Kansas City Airport and Pleasant Hill, 22d at Columbia, Edgerton, Kansas City University; moderate, 22d at Moberly, 23d at Sweet Springs.

Halos,—Solar, 6th, 31st; lunar, 6th, 10th, 12th, 13th, 14th, 21st, 31st.

Sleet.—7th, 13th, 14th, 16th, 17th, 21st, 22d, 23d, 24th, 25th, 26th, 30th.

Thunderstorms.—Local, 2d, 16th, 17th, 22d, 24th, 29th; more or less general, 1st, 21st.

ERRATA

December 1940, page 59: Total snowfall at Clinton should be 2.5; total precipitation at Advance and West Plains should be 4.71 and 4.61 respectively; page 61: precipitation on 3d and 7th at Advance should be .01 and T. respectively, total should be 4.71; on 11th at West Plains should be .95, total should be 4.61; page 62: maximum temperature at Clinton on 13th should be 30, minimum at Rolla on 15th should be 30.

Daily Temperatures for January 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum...	54	44	46	25	24	28	36	40	33	54	52	62	42	44	38	39	35	18	30	38	53	38	33	31	33	33	28	30	34	43	52	38.5
	Minimum ...	38	33	25	15	8	9	20	26	27	20	27	26	28	33	34	34	33	7	6	12	19	35	27	29	28	30	20	21	21	28	22	23.9
Chillicothe §§	Maximum...	50	43	44	24	24	25	36	40	36	54	54	60	41	35	35	36	30	20	31	38	47	30	32	33	32	32	28	30	35	41	45	36.9
	Minimum ...	38	30	25	11	7	10	19	24	16	14	25	25	31	32	33	33	29	4	4	15	18	29	26	28	28	28	15	19	20	27	14	21.8
Columbia	Maximum...	54	44	46	29	25	28	37	45	37	53	52	64	47	42	40	45	37	21	32	45	57	51	35	32	34	35	29	30	32	48	51	40.5
	Minimum ...	42	32	26	12	10	19	28	37	23	23	28	35	36	34	37	37	19	9	8	26	39	29	29	29	29	29	26	25	28	32	21	27.1
Fayette	Maximum...	53	51	46	41	22	28	35	41	39	54	51	63	52	40	39	42	39	24	30	41	55	51	32	34	33	39	32	27	32	42	49	40.5
	Minimum ...	44	30	24	9	7	15	24	32	22	20	24	26	33	32	34	35	22	4	7	12	31	28	27	27	28	28	23	22	25	29	23	21.1
Grant City	Maximum...	49	42	42	32	25	24	31	37	37	52	53	60	46	33	34	34	34	15	29	38	43	40	30	30	30	32	27	30	32	44	42	36.4
	Minimum ...	39	27	23	7	3	13	19	30	14	24	23	28	31	31	31	31	15	1	6	14	26	23	21	25	24	24	11	13	14	21	5	20.0
Hannibal	Maximum...	53	48	43	25	22	25	35	39	36	51	41	58	40	34	36	41	36	15	24	39	51	48	33	30	32	33	31	27	32	41	46	36.9
	Minimum ...	43	29	24	11	6	13	22	32	21	21	25	33	31	31	32	35	14	3	4	17	29	30	28	26	27	28	24	21	24	30	22	23.7
Kansas City Airport.	Maximum...	53	44	46	28	23	26	36	40	39	55	55	62	42	40	40	37	33	18	35	40	52	43	32	31	33	32	28	32	34	42	45	38.6
	Minimum ...	38	30	26	15	12	21	26	29	24	32	28	32	35	34	36	33	13	5	15	20	36	28	27	27	28	22	22	20	29	29	27	25.8
Kirksville	Maximum...	48	48	41	35	21	20	32	38	36	51	48	58	53	32	32	33	33	23	25	34	45	41	29	32	30	30	30	25	30	45	47	36.4
	Minimum ...	40	29	24	9	5	12	20	32	16	21	21	35	31	31	31	31	20	2	7	14	26	27	26	24	27	27	15	20	23	26	20	22.3
Lawson	Maximum...	50	47	43	37	22	24	32	39	35	51	53	60	50	37	37	35	34	17	32	39	45	45	31	29	32	31	28	29	32	42	47	37.6
	Minimum ...	43	29	25	12	8	19	23	32	20	26	28	34	33	32	35	33	17	3	6	19	32	27	25	27	25	23	23	18	27	29	25	24.5
Louisiana	Maximum...	50	42	40	24	23	25	35	45	42	50	50	59	45	40	38	40	40	32	26	41	56	53	45	31	33	35	32	33	37	45	48	39.9
	Minimum ...	40	35	20	13	9	12	24	34	27	18	27	28	30	32	32	34	32	5	2	17	28	32	30	28	29	29	29	23	28	32	34	25.6
Macon§§	Maximum...	51	42	43	23	22	26	37	40	38	52	49	57	37	35	35	38	35	25	27	36	46	32	31	35	32	34	30	30	34	41	45	36.8
	Minimum ...	37	30	24	10	6	11	16	24	21	19	23	29	35	31	31	31	32	3	4	11	18	30	27	25	25	28	17	18	20	25	21	22.1
Maryville	Maximum...	43	40	41	32	21	23	30	37	33	50	50	56	44	32	36	33	33	17	29	33	40	39	29	28	29	29	25	31	31	42	44	35.0
	Minimum ...	37	27	23	8	5	16	20	30	15	25	27	31	30	30	30	31	15	1	9	17	28	23	21	23	22	22	21	13	14	25	16	21.1
Mexico §§	Maximum...	54	46	47	27	24	29	38	43	37	54	52	64	45	39	41	44	33	19	35	47	57	38	33	34	35	31	33	29	34	45	48	39.9
	Minimum ...	37	32	23	9	7	10	18	27	28	23	23	23	30	32	32	34	32	5	5	12	21	33	29	26	25	29	21	21	22	27	24	23.2
Moberly	Maximum...	53	51	44	38	23	26	34	40	38	52	50	61	52	38	41	40	38	24	33	42	53	44	35	35	33	34	30	27	31	41	48	39.6
	Minimum ...	40	30	24	11	7	13	23	32	23	22	25	33	32	33	34	32	24	5	11	17	31	30	28	27	29	27	20	22	25	30	22	24.6
Oregon	Maximum...	50	43	43	36	27	27	32	38	36	53	53	56	46	35	38	36	35	19	31	37	45	40	29	29	31	30	26	32	32	46	45	37.3
	Minimum ...	33	30	26	9	7	18	18	30	16	29	29	32	32	31	33	30	17	0	10	17	30	24	22	22	21	18	21	18	22	29	29	22.8
St. Charles §§	Maximum...	54	48	48	19	22	22	28	46	37	55	47	66	41	43	47	48	38	23	31	47	58	47	34	34	37	37	33	30	35	50	53	40.6
	Minimum ...	38	37	25	15	12	14	16	18	27	21	29	28	38	34	34	39	38	11	10	19	21	28	31	30	30	31	30	28	26	26	27	26.2
St. Joseph	Maximum...	50	42	44	26	24	25	34	38	33	53	54	60	44	37	39	35	32	16	31	38	41	35	31	28	32	29	26	32	34	45	44	36.6
	Minimum ...	37	30	26	12	9	20	23	29	20	30	30	34	33	33	34	32	9	4	13	19	31	26	24	24	25	21	21	19	27	29	21	24.0
Trenton	Maximum...	49	45	35	33	25	26	32	38	36	55	54	60	56	36	35	36	34	25	29	38	46	38	32	30	32	32	27	30	35	43	44	37.6
	Minimum ...	35	30	25	10	7	15	22	30	15	22	24	27	35	32	33	32	25	4	9	18	30	27	25	26	25	26	14	19	24	28	14	22.8
Unionville §§	Maximum...	47	44	42	21	24	24	34	38	35	52	50	60	35	34	35	34	35	20	27	35	47	37	31	31	36	32	21	28	31	46	47	35.9
	Minimum ...	34	28	22	7	2	2	15	21	12	10	20	20	30	29	29	29	28	0	0	8	12	28	23	23	23	25	7	15	17	24	15	18.0
Warrenton	Maximum...	56	55	45	43	22	28	34	44	43	54	49	64	59	40	42	45	45	28	31	47	58	53	32	32	32	35	32	29	32	46	50	42.1
	Minimum ...	44	34	23	12	7	12	24	27	28	20	24	31	34	33	35	41	28	7	5	21	32	32	29	29	29	31	27	22	25	27	25	25.7
Keokuk, Iowa	Maximum...	50	42	42	22	19	24	35	40	34	49	40	55	40	32	34	35	34	12	20	33	44	47	31	29	31	30	30	28	31	42	42	34.7
	Minimum ...	41	29	22	10	7	15	23	34	21	25	26	34	30	29	32	34	11	4	7	15	30	31	27	25	26	28	25	22	24	28	21	23.7
Southwestern Division																																	
Clinton	Maximum...	56	47	49	31	26	30	37	44	42	57	59	65	52	50	45	43	36	22	41	53	59	54	35	33	38	38	31	30	33	41	53	42.9
	Minimum ...	39	27	25	18	13	23	27	36	25	24	25	32	41	40	40	36	15	6	10	25	36	31	28	30	30	27	25	22	28	32	36	27.5
Eldon§§	Maximum...	61	45	48	29	25	32	37	46	39	57	57	67	51	46	44	48	33	20	36	54	60	44	35	33	40	36	31	30	37	44	53	42.5
	Minimum ...	39	34	26	18	11	11	20	28	28	22	28	28	32	37	37	40	32	10	9	13	24	39	29	30	30	31	28	25	24	30	33	26.6
Harrisonville§§	Maximum...	53	46	45	28	24	29	36	39	40	56	56	64	48	48	40	36	29	22	36	43	57	31	32	31	35	29	27	30	36	40	49	39.2
	Minimum ...	39	29	27	15	9	12	20	24	22	25	32	33	34	35	37	34	27	4	4	14	27	30	26	28	27	24	23	19	21	28	34	24.6
Jefferson City §§	Maximum...	58	47	47	24	25	30	37	47	37	56	55	66	47	43	43	46	33	20	35	50	60	40	33	33	39	32	31	28	37	45	52	41.2
	Minimum ...	36	34	24	14	9	11	17	26	28	21	26	25	36	33	33	36	30	8	8	12	22	36	27	27	27	27	26	23	23	25	23	24.3
Joplin	Maximum...	63	43	47	35	29	32	39	50	42	60	65	65	60	53	50	49	34	19	42	55	57	45	40	34	45	41	30	28	45	56	55	45.4
	Minimum ...	41	32	32	24	19	26	32	39	30	30	35	44	51	49	46	34	17	8	12	38	43	32	33	28	30	27	25	22	27	44	43	32.0
Lamar§§	Maximum...	63	50	50	35	30	33	40	49	46	57	64	69	60	54	53	50	32	26	43	59	60	37	40	37	42	34	34	30	40	48	57	45.9
	Minimum ...	43	30	23	20	15	15	22	28	28	23	24	24	33	45	44	42	27	5	5	15	29	32	30	28	26	27	24	20	20	26	37	26.1
Lebanon	Maximum...	65	54	53	39	36	35	38	45	45	61	70	70	60	60	56	50	43	25	42	59	56	52	36	34	37	40	32	30	42	46	58	47.4
	Minimum ...	42	31	23	18	10	18	25	34	29	20	25	37	45	38	43	40	23	8	10	25	36	32	29	30	29	26	25	23	25	30	37	27.9
Lexington§§	Maximum...	53	46	46	27	27	27	36	40	38	56	55	62	42	39	38	37	29	22	35	40	54	32	32	32	33	29	28	31	34	46	45	38.4
	Minimum ...	40	31	28	14	10	11	22	26	24	23	29	31	40	34	35	35	28	4	5	13	22	30	28	29	27	25	26	20	20	30	26	24.7
Marshall	Maximum...	54	53	46	43	24	27	36	40	38	54	57	62	56	40	40	40	39	24	35	37	56	53	33	33	35	34	33	28	32	44	50	41.1
	Minimum ...	35	31	28	14	9	17	25	34	23	25	25	32	33	33	36	35	23	5	9	24	34	29	27	28	29	25	25	21	27	27	25	25.6
Mountain Grove	Maximum...	59	56	46	38	30	34	38	48	47	59	63	65	61	58	52	50	48	28	38	56	51	51	35	34	36	40	34	32	37	50	58	46.2
	Minimum ...	41	34	26	21	13	16	25	32	30	22	29	34	45	37	43	43	27	11	11	25	34	33	30	31	29	27	25	24	25	28	35	28.6
Neosho	Maximum...	65	60	59	47	33	36	41	53	52	60	62	67	63	61	50	49	45	30	44	56	56	56	40	40	43	44	34	34	48	56	58	49.7
	Minimum ...	51	32	24	23	16	25	30	37	34	22	23	30	46	44	45	41	23	9	4	32	36	34	33	29	27	27	26	23	26	32	42	29.9
Nevada	Maximum...	59	56	49	34	27	29	37	45	45	58	62	66	63	54	50	48	40	23	39	55	59	46	37	35	37	38	29	29	34	43	55	44.5
	Minimum ...	46	27	24	19	14	22	26	33	27	23	23	31	46	46	45	38	20	5	5	25	37	31	29	27	25	25	25	20	23	28	37	27.5
Sedalia	Maximum...	54	54	47	40	25	32	38	44	40	53	56	64	59	44	43	43	42	23	36	48	59	53	34	34	34	33	32	30	36	42	52	42.7
	Minimum ...	46	32	26	17	11	20	24	34	26	24	27	36	43	36	38	37	23	5	8	23	37	30	27	29	29	29	27	22	27	30	29	27.5
Springfield	Maximum...	63	44	46	33	31	33	37	49	41	58	61	64	60	52	50	50	36	20	39	57	54	51	38	35	40	40	31	28	38	49	57	44.7
	Minimum ...	40	31	27	18	14	20	25	36	24	24	27	36	47	45	42	36	18	8	11	30	38	31	32	30	30	26	26	24	26	32	41	28.9
Warrensburg	Maximum...	53	52	47	38	26	27	35	40	41	55	55	63	58	47	42	40	38	20	36	44	59	52	33	34	35	35	30	29	32	41	50	41.5
	Minimum ...	47	29	26	16	10	21	25	33	25	25	27	33	43	36	38	35	19	5	8	26	35	30	27	29	29	25	27	20	28	30	31	27.0
Southeastern Division																																	
Arcadia §§	Maximum...	56	50	49	33	29	35	39	46	43	62	50	67	54	61	53	49	38	28	35	56	58	52	35	36	41	44	34	30	34	45	56	45.1
	Minimum ...	38	38	27	24	12	10	14	23	33	14	25	28	35	36	35	39	36	18	9	11	19	30	31	30	30	30	28	26	25	26	29	26.1
Birch Tree(near)	Maximum...	49	52	49	41	32	36	41	52	49	65	59	63	59	59	54	53	49	33	37	57	55	53	39	37	40	42	37	35	37	50	57	47.5
	Minimum ...	40	35	28	22	13	13	24	28	32	13	30	22	36	35	42	43	30	15	8	19	34	37	31	32	32	30	27	23	24	24	32	27.5
Caruthersville§§	Maximum...	59	54	49	42	33	37	48	59	43	54	45	61	63	67	56	60	46	31	34	56	59	57	49	43	47	50	37	33	34	43	56	48.5
	Minimum ...	43	50	36	29	21	19	21	26	32	18	18	24	26	39	38	43	46	29	17	18	26	36	37	39	36	36	32	30	29	31	32	30.9
Crystal City	Maximum...	55	55	49	37	24	30	36	47	42	58	49	67	42	46	50	50	44	28	34	48	58	52	36	35	36	40	33	39	33	50	55	43.8
	Minimum ...	43	30	23	18	11	14	21	26	27	14	24	21	30	35	39	37	28	13	8	19	26	35	32	32	31	33	29	27	23	22	20	25.5
Doniphan	Maximum...	60	60	52	43	32	36	41	51	47	63	55	63	64	59	57	54	48	39	37	57	60	55	46	43	44	51	42	36	36	49	59	49.6
	Minimum ...	45	40	31	21	15	16	23	22	31	14	29	20	29	36	35	38	32	23	10	19	24	45	35	38	35	38	30	27	30	31	33	28.9
Farmington	Maximum...	53	56	47	49	32	32	39	45	46	59	65	65	62	46	51	51	46	37	34	53	57	55	40	35	38	48	35	31	32	45	50	46.3
	Minimum ...	44	39	29	19	13	13	19	28	33	18	28	29	36	35	43	40	34	15	11	23	31	34	32	32	31	34	29	26	26	29	27	28.4
Jackson	Maximum...	53	56	48	43	31	33	40	44	44	50	48	57	52	57	54	52	49	37	31	49	58	56	46	39	41	46	36	33	33	43	52	45.5
	Minimum ...	46	41	31	26	17	15	20	28	34	18	31	25	30	34	46	40	36	19	12	24	35	45	34	34	33	35	30	29	29	30	26	30.1
Poplar Bluff	Maximum...	58	56	52	42	32	35	42	50	50	55	57	63	59	59	56	53	48	36	37	56	60	59	43	47	43	48	41	39	35	44	58	48.8
	Minimum ...	45	41	31	26	17	17	22	24	31	17	29	21	35	38	46	42	35	24	12	20	29	43	36	36	35	35	36	30	31	32	35	30.7
Rolla	Maximum...	58	45	45	33	26	33	37	47	39	58	55	67	50	51	50	47	43	22	37	54	56	52	34	32	39	41	31	28	39	42	53	43.4
	Minimum ...	43	31	26	15	11	15	28	34	23	21	28	37	40	37	42	42	20	10	9	23	35	30	30	30	30	28	25	24	26	31	31	27.6
St. Louis	Maximum...	55	54	45	38	22	28	36	46	41	54	41	64	50	45	50	50	45	24	30	45	57	51	36	33	35	38	32	29	32	48	50	42.1
	Minimum ...	46	36	30	16	12	15	26	35	28	23	30	33	36	35	39	43	24	10	12	26	36	33	32	31	31	30	29	26	26	30	32	28.7
Salem	Maximum...	58	58	45	35	27	32	37	47	45	58	54	66	53	54	52	48	43	27	36	52	52	50	35	34	36	40	31	30	39	44	53	44.2
	Minimum ...	40	35	28	19	11	14	26	30	31	17	27	31	40	37	43	42	27	13	10	23	35	34	30	30	30	29	27	23	25	28	31	27.9
Sikeston §§	Maximum...	57	52	50	41	29	34	35	49	40	51	42	60	53	67	54	55	44	29	32	52	60	59	44	42	46	49	35	34	33	44	54	46.0
	Minimum ...	44	44	32	28	19	16	18	24	34	20	22	26	31	36	39	47	42	26	15	17	26	33	35	35	35	40	31	29	29	29	31	30.1
Union	Maximum...	58	57	51	44	28	31	37	49	47	60	52	70	63	43	49	48	46	32	36	53	61	55	35	35	35	38	34	32	34	52	54	45.8
	Minimum ...	45	36	22	15	11	14	26	31	31	16	23	23	32	34	37	38	30	12	9	20	24	33	30	30	30	32	29	24	27	23	20	26.0
West Plains	Maximum...	63	55	49	37	30	34	41	54	46	64	58	65	64	58	54	51	42	29	39	57	55	53	38	39	40	42	43	32	38	54	59	47.8
	Minimum ...	42	37	21	22	16	17	25	30	21	18	29	24	35	32	42	41	25	15	13	21	27	36	34	34	33	29	29	27	26	29	34	27.9
Cairo, Ill.	Maximum...	57	59	46	35	26	33	44	49	44	49	45	58	52	63	54	54	47	33	31	50	58	57	43	40	43	48	35	32	33	41	52	45.5
	Minimum ...	48	40	33	24	19	16	24	35	29	22	31	28	42	40	47	45	33	19	15	28	39	38	36	37	35	34	31	30	30	30	29	31.8

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^{a}, ^{b}, ^{c}, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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CLIMATOLOGICAL DATA

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

VOL. XLV FEBRUARY 1941 No. 2

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

February was abnormally dry and slightly colder than normal. Sunshine was deficient again this month over most of the State, but showed an improvement over the two preceding months in this respect.

Although the temperature averaged below normal for the State as a whole, there were no extremely low temperatures recorded anywhere, zero being the lowest reported. A number of stations had average temperatures above normal. Cold periods were 7-9th and the last eleven days of month, with mild or warm periods 1st-5th and 11-13th. The 11th and 12th were the warmest days and the 8th and 19th were the coldest, generally.

Precipitation was markedly deficient, and the month averaged the third driest February of record (1888-1941). Only February 1895 and 1917 were drier than the current month. The moisture deficiency was general over the entire State, only two stations reporting more than normal. Amounts were generally less than one inch, and at many stations less than one-half inch. The only periods of general precipitation were the 12-13th and 26-27th, with a general period over the southern portion of State on the 1st-2d. Snowfall was light, averaging only 2.2 inches for the State. Greatest depths occurred over the Southwestern portion, where they ranged up to six and seven inches locally. The ground was bare most of the month, the snow melting quickly after it fell.

Very little farm work was accomplished, although fields were drying out the latter part of month and some plowing was done in the southeastern portion. No oat seeding was done and practically no preparation for this crop had been made at the close of month. Alternate thawing and freezing and lack of snow cover, together with moisture deficiency, was unfavorable for wheat, and there were some reports of damage from heaving and freezing. Trees and shrubs remained dormant. —M. R. W.

TEMPERATURE

The monthly mean for the State, 85 stations reporting, was 32.7°, or 0.4° below normal. The highest monthly mean was 38.1° at Campbell, and the lowest monthly mean was 25.0° at Unionville. The highest recorded was 66° at Anderson (near) on the 12th, and the lowest was zero at Unionville on the 19th and at Memphis on the 19th and 20th. The greatest daily range was 48° at Arcadia on the 11th.

PRECIPITATION

The average for the State, 152 stations reporting, was 0.58 inch, or 1.48 inches less than normal. The greatest local monthly amount was 1.94 inches at Anderson (near), and the least local monthly amount was 0.10 inch at Altona and Farber. The greatest amount in any twenty-four hours was 1.24 inches at Tarkio on the 12-13th. The average number of days with 0.01 inch or more was 5.

Snowfall averaged 2.2 inches, or 2.9 inches less than normal. The greatest local monthly fall was 7.5 inches at Mount Vernon.

MISCELLANEOUS PHENOMENA

Dust.—12th, 13th.

Fog.—Dense, 1st, 2d, 5th, 10th, 11th, 13th.

Glaze.—4th.

Hail.—Light, 12th at Kansas City Airport and Lawson, 13th at Edgerton.

Halos,—Solar, 8th, 12th, 15th, 18th, 19th, 23d, 25th, 28th; lunar, 3d, 8th, 10th, 11th, 12th, 28th.

Sleet.—4th, 13th, 16th, 26th.

Thunderstorms.—Local, 12th, 13th.

Windstorms.—No damaging winds reported.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.14*	30.57*	20	29.30*	13	8.0	28	nw.	16	79*	60*	62*	44
Kan. C. Airport	30.15	30.57	20	29.22	12	10.3	36	nw.	13	77	60	60	46
St. Joseph	30.16*	30.58*	20	29.24*	12	8.9	30	nw.	13	87*	69*	73*	41
St. Louis	30.13*	30.55*	20	29.38*	13	11.3	40	s.	12	70	56	56	52
Springfield	30.11	30.48	20	29.27	13	10.8	39	se.	12	84	62	64	40
Cairo, Ill.	30.12	30.51	20	29.48	13	9.3	27	se.	13	72	54	..	59
Keokuk, Iowa	30.15§	30.59	20	29.38	13	8.1	33	nw.	17	69	48	..	53

* Data for Airport Station. § 7:30 A. M.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	33.0	73	−17	2.22	2.04	2.22	2.39	....	7	..	..	..
1889	29.3	73	− 9	2.74	1.80	3.12	3.30	....	7	..	..	..
1890	35.5	81	− 8	2.71	1.12	2.04	4.97	....	7	..	..	..
1891	32.7	78	−13	2.45	2.05	2.33	2.96	2.4	6	..	..	..
1892	37.7	71	2	4.31	3.47	5.40	4.06	....	9	7	6	16
1893	27.9	65	−20	2.17	2.02	1.49	2.99	4.6	6	10	7	11
1894	30.8	72	−12	2.70	2.15	2.01	3.93	11.2	6	10	8	10
1895	23.6	77	−26	0.57	0.48	0.55	0.67	3.3	5	10	10	8
1896	35.6	81	−10	1.67	1.50	1.22	2.30	4.1	5	12	8	9
1897	34.8	74	−15	2.51	1.47	2.79	3.27	8.2	7	7	7	14
1898	35.4	78	− 9	1.61	1.54	1.47	1.81	0.8	5	13	6	9
1899	20.4	72	−32	2.30	1.75	2.06	3.10	5.3	6	12	8	8
1900	26.2	70	−16	4.00	3.87	3.35	4.77	16.6	10	10	6	12
1901	28.1	76	−19	1.74	1.41	1.51	2.31	7.6	6	13	7	8
1902	24.0	72	−17	1.62	0.89	2.10	1.88	5.5	5	11	8	9
1903	29.8	74	−25	3.25	1.98	3.34	4.42	5.8	7	11	6	11
1904	30.0	82	−18	1.02	0.64	0.63	1.78	1.5	5	11	8	10
1905	21.5	69	−40	1.68	1.72	1.69	1.63	13.2	8	11	6	11
1906	33.7	73	−13	2.42	2.66	2.17	2.43	4.8	7	15	6	7
1907	34.8	77	−15	1.28	0.79	0.92	2.12	4.5	6	12	5	11
1908	35.6	78	− 7	4.32	2.83	4.20	5.94	4.1	9	13	6	10
1909	38.8	71	− 4	3.24	2.37	2.52	4.82	3.1	9	13	5	10
1910	28.3	72	−24	2.17	0.92	1.89	3.71	10.2	6	13	5	10
1911	38.1	87	0	3.78	4.09	3.99	3.27	6.7	8	12	5	11
1912	28.3	72	−12	2.51	1.99	2.56	2.98	14.5	6	10	7	12
1913	29.8	78	− 9	2.15	2.08	2.62	1.75	8.5	7	12	5	11
1914	28.3	75	−11	2.80	2.03	2.55	3.83	14.0	7	12	6	10
1915	39.4	72	7	3.07	2.48	3.53	3.21	4.1	8	9	5	14
1916	31.4	78	−12	0.98	0.79	0.73	1.42	5.0	5	13	6	10
1917	30.5	83	−22	0.42	0.16	0.24	0.85	1.4	2	14	7	7
1918	34.9	85	−25	1.06	1.25	0.80	1.12	0.6	4	15	6	7
1919	35.3	71	−10	1.96	1.98	2.08	1.82	6.4	7	13	4	11
1920	34.5	78	− 5	0.62	0.33	0.40	1.14	1.2	4	11	6	12
1921	40.1	86	5	1.03	0.55	0.74	1.79	1.8	4	14	6	8
1922	35.4	80	− 5	1.83	1.37	1.62	2.49	1.9	5	14	6	8
1923	30.2	75	− 9	1.58	0.52	1.26	2.97	1.4	5	13	5	10
1924	33.8	79	− 5	1.84	1.58	1.92	2.03	8.1	7	14	4	11
1925	38.7	78	1	1.88	1.85	1.42	2.37	1.7	6	12	6	10
1926	39.4	76	− 4	2.07	1.93	1.81	2.46	2.9	6	11	6	11
1927	41.3	78	1	1.07	1.07	0.90	1.25	2.3	5	10	8	10
1928	37.0	73	− 2	2.27	2.18	2.17	2.47	1.8	7	12	6	11
1929	25.0	64	−23	1.96	1.31	1.72	2.86	9.4	7	10	5	13
1930	44.5	89	− 5	1.75	0.95	1.49	2.80	1.3	4	13	8	7
1931	40.9	75	5	2.49	1 46	2.82	3.20	0.3	6	12	6	10
1932	42.4	83	− 3	1.47	1.00	0.99	2.43	2.0	6	12	7	10
1933	32.2	78	−22	1.45	0.74	1.26	2.35	4.2	5	14	7	7
1934	32.5	79	−26	1.34	1.00	1.32	1.70	7.0	5	15	6	7
1935	37.4	80	0	1.54	1.63	1.45	1.55	0.2	5	10	6	12
1936	23.2	78	−25	1.50	1.43	1.33	1.73	4.1	6	12	7	10
1937	32.4	74	−15	1.38	1.20	1.46	1.48	3.5	6	11	7	10
1938	41.4	80	− 5	3.20	1.47	3.60	4.54	5.0	7	8	6	14
1939	33.0	71	− 9	3.17	1.73	2.70	5.08	8.6	9	11	6	11
1940	33.5	78	−11	1.59	1.11	1.37	2.28	5.5	9	7	6	16
1941	32.7	66	0	0.58	0.50	0.62	0.63	2.2	5	10	7	11
Period	**33.1**	**89**	**−40**	**2.06**	**1.58**	**1.94**	**2.66**	**5.1**	**6**	**12**	**6**	**10**

Climatological Data for February 1941

			Temperature, in degrees Fahr.								Precipitation, in inches					Number of days					
Stations	Counties	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Northern Division																					
Bethany	Harrison	916	46	28.9	+ 1.4	54	12	7	19†	33	48	0.81	−0.61	0.66	1.5	4	12	5	11	nw.	A. S. Cumming
Brunswick	Chariton	652	60	29.8	0.0	57	12	10	20	34	62	0.56	−1.25	0.32	1.7	6	12	1	15	ne.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	3	29.2	......	56	5	2	19	30	11	0.14	−1.12	0.07	0.2	4	12	5	11	nw.	Lockmaster
Chillicothe	Livingston	779	32	28.8	− 3.5	56	12	9	19	38	35	0.46	−0.99	0.35	0.7¶	4	10	6	12	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	42	30.4	+ 0.2	57	12	8	19	31	32	0.45	−1.29	0.36	1.0¶	4	7	10	11	nw	Dr. A. J. Bradsher
Columbia	Boone	740	51	32.2	− 0.2	61	12	13	19	31	51	0.31	−1.73	0.17	1.3	6	5	10	13	nw.	U. S. Weather Bureau
Conception	Nodaway	980	52	28.8	+ 0.6	50	12	7	19	33	57	0.54	−0.61	0.21	2.5	4	7	10	11	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	21	31.6	− 2.7	55	10	12	8	39	30	0.34	−1.00	0.18	1.3	5	10	2	16	n.	Fred L. Stiff
Elsberry	Lincoln	449	10	31.2	− 2.6	62	12	8	23	33	10	0.45	−1.21	0.15	2.0	7	10	9	9	n.	Ray E. Mills
Fayette	Howard	760	61	31.0	+ 0.4	57	12	9	19	30	58	0.27	−1.43	0.10	2.5	5	11	5	12	nw	Irvin E. Schnell
Fulton	Callaway	818	53	30.5	− 2.6	60	12	12	8†	37	49	0.42	−1.25	0.14	2.2	6	11	6	11	nw.	Clyde C. Herring
Grant City	Worth	1,134	37	27.8	− 0.8	50	12	5	19	31	49	0.28	−0.83	0.14	0.5	4	6	14	8	nw.	Howard Rybolt
Hannibal	Marion	759	49	28.9	− 0.8	61	12	5	19	27	57	0.56	−1.30	0.28	2.7	6	10	5	13	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	52	31.8	+ 0.6	57	12	14	8	31	52	0.58	−1.17	0.52	0.5	4	4	9	15	nw	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	3	32.7	......	56	12	14	8	32	3	0.56	......	0.49	T.	4	5	5	18	nw.	University of Kansas City
Kidder	Caldwell	1,020	49	29.4	+ 1.0	53	12	10	19	30	53	0.43	−1.11	0.39	0.2	2	12	3	13	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	52	28.2	+ 1.1	57	12	3	19	27	59	0.66	−0.87	0.58	1.8	5	8	13	7	nw.	Howard Coons
Lawson	Ray	1,070	3	30.4	......	53	5†	11	8	33	3	1.03	......	0.93	0.5	4	8	9	11	nw.	Elmer E. Lamb
Louisiana	Pike	469	47	29.8	− 1.1	60	12	8	19	30	60	0.30	−1.78	0.15	2.5	3	16	3	9	w.	Stark Bro's Nurseries
Macon	Macon	875	42	28.6	− 1.0	59	12	6	19	29	48	0.53	−1.17	0.42	0.9¶	5	6	10	12	nw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	51	28.0	+ 2.2	49	5†	8	22	26	47	0.75	−0.68	0.40	2.2	5	7	7	14	nw.	R. B. Montgomery
Memphis	Scotland	787	2	25.8	......	48	5†	0	19†	37	11	0.25	−0.72	0.25	T.	2	11	10	7	nw.	John W. Alexander
Mexico	Audrain	800	52	30.0	− 0.1	62	12	9	19†	33	63	0.40	−1.45	0.11	2.0	5	18[b]	1[b]	7[b]	nw	Mrs. Abbie Snoddy
Moberly	Randolph	875	4	31.8	......	60	12	10	19	29	4	0.77	......	0.62	1.4	5	14	4	10	nw.	Beverly Coomes
Oregon	Holt	1,048	85	30.2	+ 1.4	54	5	10	8†	33	85	0.52	−0.85	0.42	1.0	3	6	13	9	ne.	Miss Mina Wright
St. Charles	St. Charles	520	53	32.2	− 1.1	62	12	12	9†	32	63	0.45	−1.54	0.12	3.3	7	15	2	11	w.	Martin L. Comann
St. Joseph	Buchanan	957	31	30.2	+ 0.6	54	5	12	8	27	69	0.20	−1.47	0.13	0.6	6	5	9	14	nw.	U. S. Weather Bureau
Steffenville	Lewis	650	43	27.4	− 2.3	59	12	4	19	35	48	0.74	−1.03	0.67	1.0	5	10	7	11	n.	Frank Hall
Tarkio	Atchison	916	38	26.8	− 2.2	50	5	8	19†	27	47	1.66	+0.38	1.24	2.5	4	4	14	10	nw.	Albert Volker
Trenton	Grundy	822	45	30.0	+ 0.6	54	12	8	19	33	46	0.59	−0.99	0.41	1.8	4	10	11	7	n.	W. H. Estes
Unionville	Putnam	1,062	48	25.0	− 1.7	56	12	0	19†	36	48	0.44	−1.33	0.38	1.0	2	13	8	7	nw.	John H. Schick
Warrenton	Warren	816	59	31.7	+ 0.8	63	12	9	19	33	51	0.70	−1.19	0.20	6.0	5	5	10	13	nw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	69	28.0	− 0.3	59	12	2	19	24	69	0.46	−1.09	0.30	0.5	5	8	9	11	nw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**29.6**	**− 0.4**	**63**	**12**	**0**	**19†**	**39**	..	**0.50**	**−1.08**	**1.24**	**1.5**	**5**	**9**	**8**	**11**	**nw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	37	36.4	+ 0.7	66	12	10	7	41	42	1.94	+0.16	0.58	6.1	7	10	5	13	ne.	E. S. Taylor
Appleton City	St. Clair	813	46	33.6	− 0.3	60	16	11	28	35	49	0.12	−1.55	0.05	1.0	4	11	4	13	ne.	Rolla Brown
Bolivar	Polk	1,071	38	35.4	+ 0.2	61	11	12	8	32	46	0.64	−1.46	0.24	3.6¶	6	9	5	14	n.	Southwest Baptist College
Boonville	Cooper	650	3	29.7	......	56	5†	10	19	28	64	0.14	−1.64	0.10	0.3	3	8	3	17	nw.	Boonville Water Dept.
Carthage	Jasper	962	7	36.8	......	64	11	14	8	39	17	0.82	......	0.48	3.0	5	11	5	12	ne.	Carthage W. and E. Plant
Clinton	Henry	786	48	33.6	0.0	61	16	13	8	34	54	0.26	−1.69	0.18	0.3	5	2	12	14	ne.	U. S. Weather Bureau
Eldon	Miller	934	46	32.2	− 0.9	61	11	12	8†	39	42	0.28	−1.54	0.13	2.5	6	11	5	12	ne.	E. H. Shepherd
Harrisonville	Cass	904	63	31.5	+ 0.8	58	12	12	8†	30	66	1.00	−0.73	0.85	1.5	3	7	5	16	nw.	John H. Patterson
Jefferson City	Cole	557	51	30.5	− 1.6	60	12	10	8	39	59	0.42	−1.34	0.12	3.0	7	11	5	12	n.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	19	36.4	+ 0.6	62	11	16	8†	30	36	0.72	−0.96	0.39	0.8¶	6	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	10	33.4	− 0.6	61	5†	14	23†	41	10	0.50	−1.32	0.13	...	7	..	..	..	ne.	W. S. Frame
Lamar	Barton	980	53	34.5	− 0.8	64	11	12	8	46	60	0.80	−0.97	0.30	1.0	3	11	1	16	nw.	Jesse A. Mann
Lebanon	Laclede	1,265	53	33.6	− 0.8	62	11	7	8	35	54	0.39	−1.80	0.15	1.0	5	3	11	14	nw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	56	31.0	0.0	55	11†	12	8	32	57	1.26	−0.58	0.93	1.5	4	6	11	11	n.	Miss Carrie Loomis
Lockwood	Dade	1,078	35	35.4	− 1.6	59	12	15	8	32	45	0.89	−0.84	0.28	5.0	5	10	7	11	nw.	Hubert A. Nieman
Marshall	Saline	779	54	31.9	+ 1.0	54	16	11	19	31	51	0.15	−1.63	0.10	1.0	2	13	4	11	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	40	34.8	− 0.3	62	11	9	8	34	44	0.87	−1.36	0.37	1.5	7	7	8	13	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	29	36.3	+ 1.8	65	16	11	8	37	41	1.03	−1.57	0.30	7.5	7	8	7	13	ne.	G. H. Boswell
Neosho	Newton	1,011	54	37.1	− 0.5	62	6	13	8	38	58	1.20	−0.79	0.47	4.3	6	10	5	13	e.	U. S. Fisheries Station
Nevada	Vernon	862	48	35.4	+ 1.5	62	11	11	8	38	49	0.44	−1.31	0.19	2.3¶	4	12	4	12	ne.	Henry Kraft
Ozark Beach	Taney	700	1	37.2	......	65	11†	12	8	47	16	1.53	−0.27	0.57	3.5	9	13	1	14	......	V. Smith
Sedalia	Pettis	910	28	33.4	+ 3.0	58	11†	12	28	31	30	0.17	−1.97	0.12	1.2	3	8	6	14	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	40	35.9[a]	− 1.6	60	16	10	8	30	38	1.59	−0.25	0.60	5.0	6	11	6	11	w.	Floyd E. Fawver
Seymour(near)	Webster	1,642	35	34.2	− 0.8	59	11	10	8	34	35	0.83	−1.35	0.20	3.9	5	10	4	14	ne.	A. L. Hailey
Springfield	Greene	1,301	53	34.0	− 1.2	61	11	10	8	32	53	0.96	−1.39	0.34	7.1	7	4	8	16	nw.	U. S. Weather Bureau
Warrensburg	Johnson	878	54	33.4	+ 0.9	57	11†	12	8	32	61	0.19	−1.69	0.10	1.5	3	8	7	13	nw.	E. A. Markey
Warsaw	Benton	687	40	34.3	− 1.3	61	11	12	8†	40	46	0.30	−1.94	0.15	2.0	4	10	6	12	n.	Everett Martin
Division means	**and extremes**	.....	..	**34.1**	**− 0.1**	**66**	**12**	**7**	**8**	**47**	..	**0.62**	**−1.32**	**1.23**	**2.7**	**5**	**9**	**6**	**13**	**nw.**	
Southeastern Division																					
Advance	Stoddard	354	4	34.6	......	61	12	14	8	37	4	0.87	......	0.70	T.	5	6	9	13	n.	U. S. Weather Bureau
Arcadia	Iron	926	60	32.9	− 1.2	63	11	10	8	48	63	0.70	−1.78	0.49	1.6	5	10	4	14	......	Arcadia College
Birch Tree(near)	Shannon	1,000	46	34.2	− 2.1	63	11	8	8	43	47	0.85	−1.65	0.46	3.5	4	12	5	11	nw.	V. H. Kirkendall
Campbell	Dunklin	314	15	38.1	− 4.0	63	11	15	8	39	15	0.94	−2.39	0.61	1.5	4	14	6	8	n.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	45	36.9	− 3.4	58	6†	16	8†	36	49	0.66	−2.72	0.16	2.5¶	5	18	0	10	n.	Victor T. Malloure
Crystal City	Jefferson	420	7	31.9	......	63	12	9	23	42	7	0.40	......	0.18	4.9	4	5	8	15	w.	Frank Magre
Doniphan	Ripley	344	37	36.7	− 2.6	65	11	12	8†	46	37	0.73	−2.58	0.55	1.0¶	4	14	2	12	n.	Boyce Lackey
Farmington	St. Francois	896	30	33.5	− 3.4	60	11†	11	8†	41	44	0.62	−1.90	0.41	2.0	5	13	3	12	nw.	F. M. Karsch
Goodland	Iron	1,000	48	33.0	− 1.3	61	11	10	8†	45	48	0.59	−1.69	0.20	3.5	7	12	3	13	n.	F. M. Adams
Greenville	Wayne	381	32	36.2	+ 0.4	65	11	13	8†	46	34	0.43	−2.29	0.35	0.8	3	11	3	14	nw.	Beuford Shoemake
Jackson	Cape Girardeau	428	50	34.8	− 1.7	60	12	14	8†	35	51	1.01	−1.87	0.91	1.0	3	12	6	10	n.	L. R. Crites
Koshkonong	Oregon	958	40	36.6	− 2.5	62	11	11	8	32	41	1.17	−1.69	0.49	4.1	6	9	6	13	nw.	R. M. Hitt
Licking(near)	Texas	1,170	4	33.9	......	64	5†	7	8	43	4	0.44	......	0.18	2.5	7	13	7	8	n	U. S. Forestry Service
Marble Hill	Bollinger	470	46	35.0	− 1.6	64	11	12	8†	45	48	0.83	−2.25	0.73	0.5	3	11	6	11	n.	R. A. DeWitt
Poplar Bluff	Butler	339	36	37.6	− 0.5	64	11	13	8	43	37	0.71	−2.18	0.51	0.5	4	18	8	2	ne.	B. R. Wheetley
Rolla	Phelps	1,202	41	31.8	− 4.5	61	11	9	8	31	57	0.34	−1.71	0.07	2.0	7	5	7	16	nw.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	104	32.8	− 2.0	61	12	12	19	29	104	0.64	−1.92	0.24	3.5	6	9	4	15	nw.	**Section Center**
St. Louis Airport	St. Louis	556	4	31.6	......	62	12	11	19	28	10	0.42	......	0.19	3.3	6	8	5	15	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	29	32.8	− 2.1	61	12	12	19†	28	29	0.70	−1.61	0.22	4.9	8	11	7	10	nw.	St. Louis University
Salem	Dent	1,173	37	32.8	− 3.0	61	11	8	8	37	40	0.52	−1.76	0.26	T.	4	12	4	12	n.	E. E. Martin
Sikeston	Scott	318	34	36.4	− 0.8	64	11	15	8†	36	44	0.72	−2.50	0.48	0.5	6	5	22	1	n.	Mrs. Hazelle P. Young
Union	Franklin	520	3	33.0	......	64	11	11	8†	44	24	0.49	−1.71	0.20	3.0	4	11	3	14	ne.	Robert Mueller
Wappapello Dam	Butler	475	2	35.4	......	61	11	11	8	39	2	0.73	......	0.56	1.4	7	10	4	14	w.	J. E. Harns
West Plains	Howell	1,005	4	34.8	......	62	11	12	8	39	4	1.02	......	0.43	5.5	8	8	5	15	n.	U. S. Weather Bureau
Cairo, Ill.	Alexander, Ill.	315	69	35.4	− 3.1	60	12	16	8	26	70	0.71	−2.42	0.38	2.4	5	9	6	13	n.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**34.5**	**− 2.2**	**65**	**11**	**7**	**8**	**48**	..	**0.63**	**−2.03**	**0.91**	**2.3**	**5**	**11**	**6**	**11**	**n.**	
State means	**and extremes**	.....	..	**32.7**	**− 0.4**	**66**	**12**	**0**	**19†**	**48**	..	**0.58**	**−1.48**	**1.24**	**2.2**	**5**	**10**	**7**	**11**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean,

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for February 1941

Stations	Drainage basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	..	..	..	Total
Northern Division																																	
Amity²	Grand							T.	T					.50	T.						T.	T.				.01	.08	.03	T.				0.62
Bethany	....do						T.	T.					*	.66							T.				.10			.05					0.81
Bowling Green³	Mississippi								T.					.07	.09			.06									.04	.07					0.33
Brunswick³	Grand							T.	.02					.32	.07			T.				T.				T.	.07	.06	.02				0.56
Canton, Lock No. 20³	Mississippi					T.		T.	T					.03	.07			.01					T.				T.	.03					0.14
Centralia²	....do													.10	.05												*	.12					0.27
Chillicothe² (A)	Grand							T.						.35	.02							T.				T.	.04	.05					0.46
Clifton Hill	Chariton							T.					.01	.36							T.				.02		.06						0.45
Columbia ¹‡	Missouri	T.					T.	T.					.04	.07			.01					T.			.01	T	.17	.01					0.31
Conception	....do						T.	T.					.07	.13							T.				.21		.13	T.					0.54
Edgerton	Missouri						T.	.02					T.	.18						T.	T.				.02		.10	.02					0.34
Edina²	Mississippi				T.			T	T.					.30	.32			T.									T.	.04	T.				0.66
Elsberry	....do							.02						.04			.08								.04	.08	.15	.04					0.45
Farber²	....do														T.													.10					0.10
Fayette	Missouri							.05					T.	.07											.01		.10	.04					0.27
Fulton²	....do							T.						T.	.05			.04								.09	.05	.14	.05				0.42
Gallatin²	Grand													.40								T.					.10	.10	.05				0.65
Garin	Mississippi				T.		T.	T.						.47			T.									T.	T.	T.					0.47
Grant City	Grand						T.	T.					.01	.13			T.				T.				.07		.07						0.28
Hannibal³ (A)	Mississippi						T.	.03						.28			.10								.01		.10	.04					0.56
Hermann²	Missouri								.02						.02			.07								.06	.03	.11	.02				0.33
Kahoka²	Mississippi				T.	.03		T.						*	.16			.04									T.	T.	.06				0.29
Kansas City Airport ¹‡	Missouri	T.	T.				T.	T.					.50	.02			T.			T.		T.	T.		.04	T.	.02	T.					0.58
Kansas City University	....do												*	.49											.04		.03						0.56
Kidder²	Grand													.39													.04						0.43
King City	Missouri						T.							.15	.30						.01				.03		.10						0.59
Kirksville	Mississippi				T.		T.	.03					.04	.54			T.										.02	.03					0.66
LaBelle²	....do												.44	.34													.02	.04	T.				0.84
Lawson	Missouri						T.	T.					.08	.85							T.				T.		.08	.02					1.03
Linneus²	Grand								T.					.30	.01		.01					T.				.03	.06	.07	T.				0.48
Louisiana (A)	Mississippi						.15																				.10	.05					0.30
Lucerne²	Grand					T.			T.					.31	.01			T.								T	.01	.02					0.35
Macon²	Chariton					T.			T.					.39	.03											.04	.02	.05					0.53
Madison²	Mississippi							T.	T.					.34	.02		T.								T.		.01	T.					0.37
Maryville	Missouri						T.	T.					.16	.40			T.				T.				.10		.07	.02					0.75
Memphis²	Mississippi				T.	T.		T.						.15	.10			T.	T.								T.	T.	T.				0.25
Mexico²	....do								.02					.10				.10									.07	.11					0.40
Milan²	Grand													.48	.05		.05			T.						.02	.07	.05	T.				0.72
Moberly	Mississippi							.04					T.	.62			.02				T.				T.		.03	.06					0.77
Monroe City	....do													.23			.02											.03					0.28
Oregon	Missouri								T.				.22	.20							T.				T.		.10	T					0.52
Palmyra³	Mississippi					T.		T.	T.					.08	.29			.05									.10	.05					0.57
Paris²	....do													.24	.05			T.									.03	.05	T.				0.37
Perry²	....do													.05	.20			.05									.05	.05					0.40
Philadelphia³	....do														.10												T	.10					0.20
St. Charles²	Missouri							.05	T.					.07	.05			.03								.05	T.	*	.20				0.45
St. Joseph¹‡	....do				T.		T.	T.					.06	.07							.01	T.	T.		.01	.02	.03	T.					0.20
Saverton, Lock No. 22²	Mississippi						T.	.01	T.	T.				.14	.16			.33					T.			T.	.01	.08	T.				0.73
Shelbina	....do							T.						.28												T.	T.						0.28
Shelbyville³	....do													.42															.03				0.45
Steffenville²	....do				T.			T.	T.					.47	.20			.02									.02	.03	T.				0.74
Tarkio	Missouri												.26	.98							T.				.27		.15						1.66
Trenton	Grand						T.	T.						.41			T.				T.				.01		.08	.09					0.59
Troy²	Mississippi								T.	T.				.02	.05			.05								.05	.04	.23	T				0.44
Unionville²	Chariton													.38													.06	T					0.44
Warrenton	Mississippi							.20	T.					.10	T		.10								.10	T.	.20	T.					0.70
Keokuk, Iowa ¹‡	....do				T.		T.	.02	T.				T.	.30			.07					T.			T.		.06	.01					0.46
Southwestern Division																																	
Altona²	Osage	T.					T	T.						T.											T.		.10	T.					0.10
Anderson (near)	Neosho	.56	.58										T.						.08	.04	.22				.28		.18						1.94
Appleton City.	Osage	.04												T.			T.						T.		.02		.05	.01					0.12
Bloodland²	Gasconade		.08						.02					.08				T.					T.		T.	.07	T	T.	T.				0.25
Bolivar	Osage	.14	.05					T.	T.				T.	.10			T.						T.		.09		.24	.02					0.64
Boonville² (A)	Missouri													.02												T.	.02	.10					0.14
Buffalo²	Osage	.05												T.										.15		.18							0.38
Butler²	....do	.03												.04	.04								T.		.01	.02	*	.14					0.28
Caplinger Mills	....do	.15											.05	.02								T.			.06	T.							0.28
Carthage	Neosho	.48											T.	.04	T.							T.	.01		.15		.14						0.82
Clinton⁴	Osage	.02						.03					.01	T.											.02		.18	T.					0.26
Concordia²	Missouri													.13													.07	.05					0.25
Crocker²	Osage																																....
Eldon³	Missouri		.02						T.					.03	T	T.										.06	.03	.13	.01				0.28
Galena³	White	.17	.18	.03										T.	.02								T.		.32	T	.22	T.					0.94
Hailey	....do	.09		.04									.06												.24		.17						0.60
Harrisonville³	Osage		.03											.85													.12						1.00
Jefferson City²	Missouri		.02						.05						.02			T.								.06	.10	.12	.05				0.42
Joplin³	Neosho	.39	.16										.09										.02		.05		.01						0.72
Lakeside²	Osage		.02					T.	.01					.05				.09								.13	.13	.07	T.				0.50
Lamar²	Neosho	.30	.25												T.								T.		T.		.25	T					0.80
Lebanon	Osage	.08	.02														.02								.15		.12						0.39
Lexington²	Missouri	.15						T.	T.					.93													.11	.07					1.26
Lockwood	Osage	.28	.16										T.	.07											.20		.18						0.89
Manes²	Gasconade	T.	.16					T.	T.					.29											.08	.01	.12	.03					0.69
Marshall.	Missouri							T					T.	.05											T.		.10						0.15
Mountain Grove	White	.15	.14						.01	T.				.37											.10		.08	.02					0.87
Mount Vernon	Neosho	.10	.15				T.							.15									.10		.30		.18	.05					1.03
Neosho	....do	.47	.26										T.	.07					.03	T.	T.	T.	T.		.18		.19						1.20
Nevada	Osage	.19	.05											T.								T.			.03		.17	T.					0.44
Osceola²	....do		.05														.05	T.								.04	.10	.02					0.26
Ozark Beach³	White	.10	.27	.05										.57						.01	T	.02		*	.25	.07	.19	T.					1.53
Pleasant Hill²	Osage							T.						1.23	T.										T.	.02	.02	.13					1.40
St. Thomas (near)²	....do							T.	T.					T.												.10	.10	.10					0.30
Sedalia	Missouri	T.					T.	T.					T.	.01			T.										.12	.04					0.17
Seligman	Neosho	.60	.24											T.					.08	.08					.40		.19						1.59
Seymour (near)	White	.11	.16					T.						.20									T.		.20		.16	T.	T.				0.83
Springfield ¹‡	....do	.19	.11				T.	T.						.07			T.					.02	.02		.34		.21	T.					0.96
Stover²	Missouri													.17														.20					0.37

Continued on next page

Daily Precipitation for February 1941—Continued from preceding page

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	..	..	..	
Southwestern Division—	*Concluded*																																
Sweet Springs	Missouri						T.	T.					T.	.03											T.		.08	.01	T.				0.12
Warrensburg	....do	T.					T.	.03					T.	.06											T.			.10					0.19
Warsaw (A)	Osage	.01	T.											.15											.04		.10	T.					0.30
Waverly²	Missouri													.30													.06	.03					0.39
Southeastern Division																																	
Advance⁴	St. Francis	.07	.05					T.					T.	.70			T.						T.				.02	.03					0.87
Alton (near)	Black		.17											.37											.06		.13						0.73
Annapolis	St. Francis	.05	.02						T.					.45			T.										.12	T.	T.				0.64
Arcadia²	....do		.03						T.					.49				T.									.05	.08	.05				0.70
Belleview	Meramec													.56													*	.20					0.76
Birch Tree (uear)	Black		.14											.46											.10		.15						0.85
Bragg City²	St. Francis		.43	T.					T.																	T.	T.	T.					0.43
Campbell	....do	T.	.18						T.					.61			T.								T.		.10	.05	T.				0.94
Cape Girardeau²	Mississippi		.03	T.										.24	.28												T.	T.	.03				0.58
Caruthersville²	....do		.16	T.										.10	.15												.10	.15					0.66
Centerville²	Black		.10					T.	.05					.35													.15	T.	.02				0.67
Crystal City	Mississippi							T.	.02								.08								T.	T.	.12	.18	T.				0.40
Cuba²	Meramec								T.									.01								T.	.30	.05					0.36
Dexter²	St. Francis		.23						T.					.47	.02			T.					T.			T.	T.	T.	.01				0.73
Doniphan	Black	.02	.08											.55											T.		.08	T.	T.				0.73
Farmington	St. Francis	T.						.03	T.					.41			.02					T.					.13	.03					0.62
Fisk²	....do		.09						T.					.17	.13			T.									.04	T.	.04				0.47
Fredericktown²	....do		T.						T.					.78													T.	.12	.03				0.93
Gerald²	Meramec								.01					.14				.06								.08	.07	*	.10				0.46
Goodland	Black	.05						.02	.01					.19													.20	.02	.10				0.59
Greenville	St. Francis	.02	T.						T.					.35			T.								T.		.06	T.	T				0.43
Jackson	Mississippi													.91													.05	T.	.05				1.01
Jerome²	Gasconade								.02								T.	T.								.05	.10	.05	.05				0.27
Koshkonong	Black	.10	.17					T.						.49									T.		.15		.22	.04					1.17
Leeper²	....do		.10						.02					.41												T.	.12	T.					0.65
Licking (near)	Gasconade	.10	.02											.07			.02								.02	T.	.18	.03	T.				0.44
Marble Hill	Mississippi	.05												.73													.05						0.83
Meramec Park²	Meramec								T.																	.01	.05	.05	.10				0.21
Morehouse	Mississippi		.10											.56													T.	T.	.03				0.69
New Madrid²	....do		.16	.03						T.				.16	.41			T.						T.			T.	.13	.10				0.99
Owensville²	Gasconade								*									*								*	*	*	.46				0.46
Pacific²	Meramec																	T.							T.	.01	T.	.10	.15				0.26
Parma²	St. Francis		.09											.29	.34			T.									.04	T.	T.				0.76
Perryville²	Mississippi								.05					.01	.05												.03	.12	T.				0.26
Poplar Bluff² (A)	Black		.15					T.						.30	.21											T.	.05	T					0.71
Richwoods²	Meramec								T.					.15				.01								.02	T.	.05					0.23
Rolla⁴	....do	.03	T.				T.	.04					.05	T.			.06					T.	T.		.05		.07	.04	T.				0.34
St. Louis:																																	
City Office¹‡	Mississippi	T.			T.		T.	.03	T.				T.	.24	T.		.05								.10	T.	.19	.03					0.64
Airport⁴‡	Missouri	T.			T.		T.	.01	T.				T.	.19	T.		.01								.04	T.	.15	.02					0.42
St. Louis Univ.³‡	Mississippi							.05	.01				.01	.20			.06								.10		.22	.05					0.70
Washington Univ.²‡	....do								T.	.03				.28	.01			.08								.07	*	.15	.03				0.65
Salem	Meramec	.10						T						.26			T.										.13	.03					0.52
Sikeston²	Mississippi		.14						T.					.40	.08										T.		.03	.04	.03				0.72
Union	Meramec		T.					T	T								.09								.02		.18	.20					0.49
Valley Park²	....do								.03					.10	T.			.08								.08	T.	.20	.01				0.50
Van Buren	Black	T.	.11					T.						.30											T.		.14						0.55
Wappapello Dam²	St. Francis		.02						.02					.38	.18												.05	.07	.01				0.73
Weingarten²	Mississippi													.30														.20					0.50
West Plains⁴	Black	.17	.06				T.	T.					.34	.09			.01			T.		T.	T.		.13		.21	.01					1.02
Williamsville²	....do		.14						.01					.48												T	.08	.02	T.				0.73
Willow Sprgs. (near)²	White		.17						T.					.40											.10	.05	.25	T.					0 97
Zalma (near)	Mississippi	.01	.09					T						.65			T.	T.									.10	T	.01				0.86
Cairo, Ill.¹‡	....do	.04	.05				T.	T.	T.				T.	.38			T.						T		T.		.03	.21					0.71

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

¹ First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation is for 24-hour period, midnight to midnight. ⁴ Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖‖ Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking (near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour (near), Steffenville, Tarkio, Wappapello Dam, Warsaw, and Washington University (St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for February 1941

(See precipitation data in daily precipitation table)

Station	Data	Day of month																															Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	..	..	..	
Lakeside (Osage Dam)	Evaporation	.017	‡‡‡‡	.044	.047	.026	.099	*	*	*	*	*	.349	.114	.102	.037	.067	.070	.089	.076	*	*	*	*	.304	****	.005	††††	.089				1.452
	Mean temperature	43	35	38	32	43	33	26	26	30	37	40	40	49	32	37	40	42	31	26	24	26	28	29	26	32	32	32	24				33.4
	Wind movement	18	33	59	41	52	93	148	133	71	34	30	32	134	138	67	42	81	48	61	59	49	56	28	56	12	29	46	93				1,743
St. Louis (Washington University)	Evaporation		.024	.039	*	.056	.070	*	*	*	*	*	.144	.110	.046	.044	.073	.007	*	*	*	*	*	*	*	*	*	*	*				
	Mean temperature	42	34	32	33	42	32	23	20	26	36	42	47	50	32	36	34	38	25	18	20	22	25	28	28	32	28	30	24				31.4
	Wind movement	15	49	105	59	41	70	100	69	41	27	36	29	111	116	33	41	69	85	93	86	62	67	54	28	11	60	80	94				1,734

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement. ‡‡‡‡ —.001. **** —.019. †††† —.013.

ERRATA

May 1940, page 24: Days partly cloudy and cloudy at St. Joseph should be 9 and 7, respectively. July 1940, page 34: Days cloudy at St. Joseph should be 3 September 1940, page 41: Days with 0.01 inch or more precipitation at St. Joseph should be 8. January 1941, page 2: Total snowfall at Clinton should be 2.5; mean temperature at Rolla should be 35.6, departure should be + 3.7; greatest precipitation in 24 hours at Rolla should be 0.72; prevailing wind direction at Wappapello Dam should be w. Page 5: Minimum temperature on 7th and 22d at Clinton should be 28, mean minimum should be 27.4; maximum temperature on 2d at Rolla should be 47, minimum temperature at Rolla on 1st and 8th should be 47 and 35, respectively, mean minimum should be 27.7; minimum temperature on 13th at St. Louis should be 35.

Daily Temperatures for February 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	..	..	..	Mean
Northern Division																																	
Brunswick §§	Maximum...	48	35	41	38	51	30	24	34	38	49	53	57	47	37	45	55	46	28	25	24	30	34	41	38	30	34	31	33	..	..	..	38.4
	Minimum ...	23	30	28	25	30	28	19	13	18	20	22	23	42	21	20	25	28	23	11	10	13	14	12	15	22	21	25	16	..	..	..	21.1
Chillicothe §§	Maximum...	53	34	38	36	51	27	22	33	39	50	50	56	40	36	45	51	44	28	25	24	30	36	41	37	31	34	29	34	..	..	..	37.6
	Minimum ...	15	31	24	25	30	21	18	11	12	18	23	24	39	18	19	26	29	17	9	10	13	10	13	21	17	24	27	13	..	..	..	19.9
Columbia	Maximum...	53	38	42	38	56	48	25	31	39	51	56	61	55	39	41	49	48	34	26	21	30	34	41	38	31	33	33	34	..	..	..	40.8
	Minimum ...	38	31	29	26	30	22	15	13	21	26	25	46	29	21	27	34	29	19	13	14	20	14	19	30	24	27	16	16	..	..	..	24.1
Fayette	Maximum...	51	45	42	37	55	51	24	32	38	50	54	57	52	37	45	52	46	40	25	22	30	33	41	36	32	33	32	32	..	..	..	40.1
	Minimum ...	32	29	26	24	29	21	15	11	18	20	24	40	32	18	28	29	28	19	9	12	19	11	13	29	22	24	22	14	..	..	..	21.9
Grant City	Maximum...	47	34	33	34	49	38	27	34	31	47	45	50	44	38	41	49	42	37	22	21	33	35	42	36	32	32	30	36	..	..	..	37.2
	Minimum ...	31	25	20	27	29	15	11	8	14	16	19	40	30	14	20	27	23	14	5	10	18	8	12	23	10	22	16	12	..	..	..	18.5
Hannibal	Maximum...	48	34	36	33	52	41	23	29	35	49	49	61	52	35	45	42	41	28	22	25	29	32	39	37	35	30	32	34	..	..	..	37.4
	Minimum ...	30	28	25	26	28	18	13	12	16	22	27	38	28	22	25	29	27	10	5	7	17	8	12	28	20	23	15	13	..	..	..	20.4
Kansas City Airport.	Maximum...	46	36	33	36	55	40	30	37	37	51	54	57	47	37	47	53	49	37	26	23	29	35	42	38	30	34	31	38	..	..	..	39.6
	Minimum ...	35	27	25	29	29	20	15	14	20	20	25	47	25	21	29	35	31	21	16	16	22	17	19	28	23	25	18	18	..	..	..	23.9
Kirksville	Maximum...	51	39	37	33	47	43	18	29	35	46	48	57	40	35	45	46	44	36	21	23	29	32	39	36	34	30	28	36	..	..	..	37.0
	Minimum ...	30	29	20	26	27	18	16	10	14	19	23	36	31	17	23	27	28	9	8	9	19	8	12	27	12	22	14	11	..	..	..	19.3
Lawson	Maximum...	49	43	35	35	53	46	22	33	35	51	51	53	46	36	44	51	47	37	21	21	28	33	40	38	31	32	30	36	..	..	..	38.6
	Minimum ...	36	28	24	26	28	18	16	11	18	18	24	42	29	19	23	34	28	21	12	13	20	13	17	29	19	23	20	16	..	..	..	22.3
Louisiana	Maximum...	50	40	40	37	50	30	25	20	35	50	50	60	51	36	40	40	45	33	22	25	28	33	40	33	35	34	33	32	..	..	..	37.4
	Minimum ...	28	32	28	30	30	22	15	13	14	20	28	35	23	25	28	35	32	16	8	10	20	10	10	21	24	25	20	15	..	..	..	22.1
Macon§§	Maximum...	50	35	40	35	51	26	23	32	33	49	50	59	47	39	47	50	45	25	24	23	30	37	40	36	32	33	31	37	..	..	..	37.8
	Minimum ...	24	29	24	26	27	22	17	10	14	20	24	30	43	17	19	25	27	14	6	8	10	8	12	17	16	16	24	12	..	..	..	19.8
Maryville	Maximum...	46	33	29	34	49	39	20	33	31	45	46	49	43	32	44	47	42	35	21	19	32	32	37	35	26	33	28	35	..	..	..	35.5
	Minimum ...	33	29	20	27	30	15	15	9	16	19	22	41	28	15	21	32	28	16	9	12	18	8	17	25	12	23	19	15	..	..	..	20.5
Mexico §§	Maximum...	55	37	39	37	53	31	26	32	39	52	56	62	49	39	45	46	47	28	24	25	30	35	40	39	31	33	35	35	..	..	..	39.3
	Minimum ...	25	28	27	25	29	27	19	11	12	20	25	29	46	19	20	27	28	18	9	10	12	10	12	18	23	22	23	9	..	..	..	20.8
Moberly	Maximum...	53	50	41	38	53	50	27	30	41	49	57	60	49	38	46	51	49	43	32	23	27	34	36	38	32	32	33	36	..	..	..	41.0
	Minimum ...	32	30	27	26	28	22	17	12	18	20	39	38	34	19	24	29	28	17	10	11	18	11	12	24	20	25	24	14	..	..	..	22.5
Oregon	Maximum...	50	41	32	35	54	48	25	36	34	46	52	52	46	39	45	50	46	43	22	22	30	33	42	37	27	34	31	38	..	..	..	38.9
	Minimum ...	34	29	18	26	29	15	17	10	18	23	25	42	27	17	24	34	26	18	11	12	19	10	19	25	16	26	17	16	..	..	..	21.5
St. Charles §§	Maximum...	54	38	40	37	55	31	27	29	40	52	59	62	53	41	48	39	48	38	29	28	39	38	39	38	36	31	35	35	..	..	..	40.7
	Minimum ...	28	32	29	26	28	30	21	13	12	20	28	32	47	26	26	29	30	20	12	13	16	15	16	26	28	26	22	12	..	..	..	23.7
St. Joseph	Maximum...	51	38	30	35	54	35	25	35	36	47	52	54	45	35	45	50	46	35	24	22	30	34	42	37	28	34	31	37	..	..	..	38.1
	Minimum ...	30	24	22	28	29	17	14	12	20	25	25	45	22	19	26	33	30	19	14	15	20	14	22	24	19	24	18	18	..	..	..	22.4
Trenton	Maximum...	52	45	35	37	52	46	30	24	35	49	50	54	48	35	46	50	48	40	24	25	30	35	43	40	36	35	31	34	..	..	..	39.6
	Minimum ...	30	24	25	24	30	20	16	10	17	16	21	38	29	17	24	30	28	15	8	10	20	10	13	30	15	22	20	12	..	..	..	20.5
Unionville §§	Maximum...	48	31	37	35	43	25	21	30	34	45	47	56	50	36	46	47	40	18	23	24	30	35	42	38	31	31	28	37	..	..	..	36.0
	Minimum ...	12	28	18	17	26	18	15	7	8	12	16	20	37	14	14	21	25	8	0	0	8	6	6	9	9	9	20	7	..	..	..	13.9
Warrenton	Maximum...	50	50	38	35	53	50	25	28	49	52	59	63	55	39	45	39	47	42	27	25	31	33	40	37	33	31	33	35		..	..	40.9
	Minimum ...	32	31	28	24	29	23	18	10	16	21	28	42	34	21	25	29	28	18	9	11	19	11	13	26	25	24	22	14	..	..	..	22.5
Keokuk, Iowa	Maximum...	50	35	35	32	49	35	21	26	29	48	46	59	49	35	43	40	36	22	19	26	32	30	37	41	30	29	28	33	..	..	..	35.5
	Minimum ...	32	30	24	29	29	17	15	12	15	24	26	42	27	20	27	31	22	6	2	7	14	8	14	27	14	33	22	15	..	..	..	20.5
Southwestern Division																																	
Clinton	Maximum...	52	50	43	37	59	43	33	36	39	52	59	57	54	41	48	61	53	36	29	26	33	36	44	37	35	34	35	40	..	..	..	42.9
	Minimum ...	42	30	26	26	29	21	18	13	21	22	25	44	26	20	29	28	27	24	17	17	21	20	18	31	25	27	16	16	..	..	..	24.2
Eldon§§	Maximum...	53	36	42	38	60	36	22	34	42	53	61	58	50	43	48	54	50	35	30	30	33	34	42	36	33	32	34	32	..	..	..	41.1
	Minimum ...	30	31	28	25	25	30	20	12	12	22	22	28	45	22	21	28	29	26	17	16	16	20	17	17	29	27	27	12	..	..	..	23.4
Harrisonville§§	Maximum...	49	35	37	38	56	30	31	36	39	52	53	58	38	37	46	55	53	34	26	25	30	34	40	37	30	34	33	37	..	..	..	39.4
	Minimum ...	35	30	28	26	27	28	18	12	12	22	26	33	37	24	24	28	28	24	17	16	17	19	18	23	24	24	25	15	..	..	..	23.6
Jefferson City §§	Maximum...	52	36	42	38	59	33	24	32	42	54	59	60	51	41	47	51	49	30	30	26	30	35	43	35	33	34	34	33	..	..	..	40.5
	Minimum ...	23	29	26	26	24	28	18	10	11	19	20	27	42	19	19	25	27	21	12	12	13	13	13	15	24	24	22	12	..	..	..	20.5
Joplin	Maximum...	52	50	37	50	58	48	35	35	40	54	62	60	58	45	48	61	56	44	31	28	34	34	41	36	36	37	42	42	..	..	..	44.8
	Minimum ...	49	32	28	28	30	24	19	16	26	24	32	52	28	22	31	37	30	31	25	23	21	26	23	31	22	32	24	16	..	..	..	27.9
Lamar§§	Maximum...	53	40	43	52	61	42	38	38	44	55	64	60	49	47	49	62	60	43	33	30	36	40	43	37	38	39	46	41	.	..	..	45.8
	Minimum ...	38	35	27	24	25	26	19	12	13	18	18	25	45	17	18	25	24	26	21	20	18	21	19	20	29	28	26	14	..	..	..	23.2
Lebanon	Maximum...	52	50	40	45	61	52	27	33	43	53	62	55	53	43	47	55	52	45	32	28	35	36	43	39	33	38	38	36	..	..	..	43.8
	Minimum ...	40	29	25	22	26	20	15	7	18	23	30	41	30	17	29	29	25	26	16	15	20	21	15	28	25	26	26	11	..	..	..	23.4
Lexington§§	Maximum...	48	35	38	38	39	30	26	36	39	52	55	55	40	36	50	55	50	34	27	23	29	37	45	44	33	34	31	38	..	..	..	39.2
	Minimum ...	28	30	27	26	29	29	18	12	15	21	23	31	39	20	22	30	30	23	13	15	15	14	16	25	22	23	26	16	..	..	..	22.8
Marshall	Maximum...	49	50	41	39	52	46	30	33	39	50	52	52	50	35	45	54	47	45	28	34	31	34	42	38	35	32	33	30	..	..	..	40.9
	Minimum ...	35	25	28	27	29	21	18	12	20	19	26	42	33	20	26	33	28	21	11	13	20	12	15	20	22	25	25	14	..	..	..	22.9
Mountain Grove	Maximum...	54	43	46	50	58	55	27	31	47	52	62	55	52	44	48	49	51	46	39	32	34	48	44	42	36	39	37	37	..	..	..	44.9
	Minimum ...	40	31	25	26	24	25	16	9	19	23	31	38	31	21	28	31	27	28	20	18	19	25	17	23	27	27	27	13	..	..	..	24.6
Neosho	Maximum...	56	52	49	50	59	62	38	40	42	52	61	61	59	46	50	60	60	58	40	32	35	36	43	41	36	39	44	44	..	..	..	48.0
	Minimum ...	41	35	28	22	24	31	22	13	19	18	24	44	34	20	24	34	22	28	27	23	24	26	18	30	30	31	27	16	..	..	..	26.2
Nevada	Maximum...	53	52	39	45	60	56	35	37	42	55	62	59	56	45	50	60	57	49	36	28	33	38	43	40	37	36	39	40	..	..	..	45.8
	Minimum ...	44	30	28	23	27	24	20	11	27	17	24	40	31	17	28	36	26	26	20	19	18	22	17	29	27	28	24	15	..	..	..	24.9
Sedalia	Maximum...	51	46	41	38	57	55	28	33	38	49	58	58	54	39	46	56	50	46	29	25	32	34	43	40	35	35	34	36	..	..	..	42.4
	Minimum ...	39	30	28	26	30	25	19	13	19	23	27	46	33	20	25	33	28	21	14	15	19	15	19	31	24	25	26	12	..	..	..	24.5
Springfield	Maximum...	50	47	43	48	60	44	31	31	42	51	61	55	51	41	46	58	52	41	33	27	33	36	42	36	35	38	36	39	..	..	..	43.1
	Minimum ...	45	28	26	25	29	20	13	10	22	27	29	42	27	20	28	32	29	28	23	20	18	20	19	29	27	29	20	14	..	..	..	25.0
Warrensburg	Maximum...	49	47	39	39	56	54	28	35	38	50	57	57	53	38	48	56	55	52	28	24	31	36	44	40	36	36	32	37	..	..	..	42.7
	Minimum ...	39	30	28	26	25	22	18	12	21	21	27	45	32	20	26	33	26	22	15	15	21	15	17	31	24	25	25	15	..	..	..	24.1
Southeastern Division																																	
Arcadia §§	Maximum...	47	37	44	52	57	44	30	32	45	52	63	60	56	49	49	44	52	43	36	33	36	41	45	39	36	36	37	38	..	..	..	44.0
	Minimum ...	30	28	27	22	24	29	18	10	12	14	15	23	43	25	25	22	29	25	16	16	17	21	12	16	27	26	25	14	..	..	..	21.8
Birch Tree(near)	Maximum...	51	44	45	53	58	52	32	34	47	53	63	58	54	49	50	46	49	48	40	35	37	40	46	42	41	40	38	36	..	..	..	45.8
	Minimum ...	29	32	26	23	18	29	12	8	12	17	20	39	35	20	24	26	24	24	23	18	19	25	11	26	27	29	26	13	..	..	..	22.7
Caruthersville§§	Maximum...	49	44	45	50	53	58	38	35	45	53	50	54	57	48	51	53	58	50	34	37	44	44	46	41	49	40	42	39	..	..	..	46.7
	Minimum ...	32	33	32	25	24	26	23	16	16	17	25	32	40	33	31	32	30	29	27	24	25	27	23	26	30	30	31	19	..	..	..	27.1
Crystal City	Maximum...	52	46	38	44	59	49	32	30	40	50	61	63	56	43	47	41	50	34	30	30	37	38	42	36	38	33	35	36	..	..	..	42.5
	Minimum ...	22	26	24	19	30	25	15	13	11	12	19	33	36	24	30	20	29	19	14	15	17	19	9	24	24	26	24	17	..	..	..	21.3
Doniphan	Maximum...	49	45	47	55	56	55	40	38	48	54	65	60	59	51	55	50	58	52	45	36	43	45	47	40	47	40	41	41	..	..	..	48.6
	Minimum ...	28	35	30	20	19	30	19	12	12	13	19	39	40	28	25	28	28	23	26	21	26	30	12	30	24	30	29	18	..	..	..	24.8
Farmington	Maximum...	52	46	38	48	56	55	33	29	40	49	60	60	54	44	45	42	50	47	36	31	35	35	41	39	35	35	34	34	..	..	..	43.0
	Minimum ...	27	32	29	24	30	22	19	11	16	19	19	40	39	25	32	25	30	27	16	16	19	23	16	27	27	27	24	11	..	..	..	24.0
Jackson	Maximum...	49	44	39	48	50	50	34	29	41	48	59	60	57	45	48	42	53	48	35	32	35	38	43	40	40	37	35	35	..	..	..	43.4
	Minimum ...	26	34	30	24	34	33	21	14	14	20	24	41	45	30	30	25	31	25	19	18	21	26	17	28	28	30	27	19	..	..	..	26.2
Poplar Bluff	Maximum...	48	43	47	55	55	56	37	38	47	54	64	61	61	52	54	49	58	61	48	35	38	45	45	40	45	37	40	42	..	..	..	48.4
	Minimum ...	28	36	32	23	23	29	21	13	14	17	21	40	41	30	29	28	30	29	27	23	27	31	20	32	30	31	30	19	..	..	..	26.9
Rolla	Maximum...	49	47	39	37	58	46	25	31	41	53	61	57	50	41	46	46	49	37	29	26	32	33	40	32	31	32	33	32	..	..	..	40.5
	Minimum ...	36	28	26	26	28	19	11	9	20	22	32	41	29	20	29	31	27	20	15	15	21	19	18	28	26	26	15	13	..	..	..	23.2
St. Louis	Maximum...	54	47	35	40	56	49	26	29	39	48	59	61	54	37	43	40	46	36	25	26	30	33	40	36	37	31	34	32	..	..	..	40.1
	Minimum ...	35	31	30	29	32	20	18	14	23	26	35	42	34	25	30	32	32	19	12	13	22	16	21	30	28	27	18	19	..	..	..	25.5
Salem	Maximum...	44	43	40	46	55	51	28	30	43	50	61	57	53	43	45	45	47	45	34	29	34	34	42	37	33	36	36	34	..	..	..	42.0
	Minimum ...	31	30	27	25	25	25	18	8	15	22	24	42	33	21	31	24	26	26	16	16	21	23	13	28	28	26	26	14	..	..	..	23.7
Sikeston §§	Maximum...	48	42	43	51	53	53	36	34	44	53	64	61	56	48	53	47	59	44	32	33	42	40	45	38	45	35	41	36	..	..	..	45.6
	Minimum ...	28	30	31	25	29	34	22	15	15	22	28	36	49	31	30	33	30	30	23	20	20	26	19	29	28	30	28	19	..	..	..	27.1
Union	Maximum...	53	52	41	40	59	56	28	32	43	56	64	63	57	45	50	42	52	44	32	29	36	38	44	39	37	37	36	38	..	..	..	44.4
	Minimum ...	25	31	28	22	30	25	19	11	12	14	20	35	35	23	30	22	29	21	12	14	12	16	11	26	25	24	21	15	..	..	..	21.7
West Plains	Maximum...	44	45	45	52	58	46	31	35	47	52	62	56	54	47	52	53	55	46	34	32	38	41	43	36	42	41	37	38	..	..	..	45.1
	Minimum ...	33	29	26	26	23	22	15	12	17	18	23	33	32	24	26	35	29	26	25	23	22	23	16	29	30	29	22	16	..	..	..	24.4
Cairo, Ill.	Maximum...	47	41	40	46	50	52	32	28	40	49	59	60	57	43	47	46	53	38	31	31	40	37	41	37	42	35	37	33	..	..	..	42.6
	Minimum ...	32	33	29	28	35	26	19	16	23	26	35	42	37	32	32	33	32	27	22	20	25	28	22	31	29	31	22	20	..	..	..	28.1

ᵃ, ᵇ, ᶜ, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 3-21-41—1150.

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CLIMATOLOGICAL DATA

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

19

Vol. XLV   March 1941   No. 3

Price: 5 Cents a Copy; 25 Cents a Year

GENERAL SUMMARY

March was very dry and somewhat colder than normal, but sunshine conditions improved materially over those of the preceding months.

Temperatures averaged below normal throughout the State, with the greatest deficiencies over the southern half. No extremely low readings were recorded, the lowest reported being 7°. There was one relatively warm period during the month, 19th-23d, and warmer weather was again overspreading the State during the last 2 or 3 days of the month. Temperatures were rather low on the 1st-6th and 17-19th. The 31st was the warmest day in the Northern and Southwestern Divisions, while the 3d and 20th were the warmest days generally in the Southeastern Division, although the highest temperature for the month was recorded on the 21st. The 17th was the coldest day of the month, but the 1st was also cold in the Northern Division.

Precipitation during March averaged the second lowest of record (1888-1941), and only March of 1910 had a smaller amount, 0.77 inch. This deficiency in precipitation was fairly uniform throughout the State, with the Southeastern Division showing the least monthly total. Several scattered stations, however, reported amounts in excess of 1.50 inches. Snowfall averaged slightly above normal, with greatest depths in the northwest quarter and extreme southwest portion of State.

Spring plowing began in the southeastern portion during the second week of the month, and was in progress in all sections by the end. Prospects for wheat appear very poor, with estimates of loss ranging from one-third to more than fifty per cent, due to winter killing, and much of the wheat ground has been reseeded with oats. Sowing of oats was started during the first week, and was in full swing in most sections by the middle of the month, with completion during latter week. Rye and barley were in good condition in southwestern portion of State, but some barley was killed in west-central sections. Potato planting made good headway. The condition of fruit was considerably behind that of other years, and some was winter killed in the northern half of the State. Cold weather kept fruit buds dormant. Alternate freezing and thawing caused some damage to alfalfa from heaving, and timothy prospects were uncertain. Cotton was being rapidly planted during the first week in Scott County. Pastures were in good condition in some southwestern areas, but were greening slowly in more northerly counties. There was a scarcity of water in scattered localities, and rain was needed generally over most of the State by the end of the month.—A. A. R.

TEMPERATURE

The monthly mean for the State, 89 stations reporting, was 40.5°, or 3.4° below normal. The highest monthly mean was 46.4° at Campbell, and the lowest monthly mean was 35.0° at Unionville. The highest recorded was 78° at Sikeston on the 21st, and the lowest was 7° at Unionville on the 1st. The greatest daily range was 53° at Lamar on the 18th.

PRECIPITATION

The average for the State, 154 stations reporting, was 0.78 inch, or 2.41 inches less than normal. The greatest local monthly amount was 2.98 inches at Neosho, and the least local monthly amount was 0.10 inch at Meramec Park and Perryville. The greatest amount in any twenty-four hours was 1.80 inches at Neosho on the 12th. The average number of days with 0.01 inch or more was 5.

(Continued on page 16)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.10*	30.54*	18	29.39*	3	8.9	24	nw.	16	79*	52*	52*	55
Kan. C. Airport	30.10	30.56	17	29.33	3	12.0	36	nw.	16	78	51	51	62
St. Joseph	30.11*	30.58*	17	29.31*	2	9.7	30	nw.	16	88*	57*	62*	61
St. Louis	30.09*	30.57*	18	29.45*	3	11.6	38	w.	11	70	50	50	63
Springfield	30.09	30.51	18	29.53	3	11.8	35	s.	2	86	56	57	51
Cairo, Ill.	30.09	30.55	18	29.60	10	9.7	30	sw.	3	72	50	..	61
Keokuk, Iowa	30.10§	30.57	18	29.32	3	8.5	32	nw.	11	75	51	..	60

* Data for Airport Station. § 7:30 a. m.

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	38.5	90	1	3.90	4.13	4.37	3.19	....	10	..	..	..
1889	44.3	84	13	2.22	1.26	3.37	2.02	....	5	..	..	..
1890	37.3	79	−11	3.51	2.00	2.40	6.12	5.7	8	..	..	..
1891	36.6	78	−11	2.66	3.03	2.26	2.68	7.1	10	..	..	..
1892	38.9	87	5	2.98	3.31	3.46	2.18	....	8	8	10	13
1893	40.5	86	0	2.92	2.49	2.71	3.57	3.2	7	11	10	10
1894	47.7	89	2	3.22	2.29	2.95	4.43	0.2	6	15	9	7
1895	42.4	98	0	2.36	1.49	2.39	3.21	4.4	9	14	7	10
1896	39.2	82	2	2.22	1.15	2.04	3.47	5.2	8	11	9	11
1897	44.2	82	− 5	6.73	4.38	5.62	10.18	1.0	12	9	9	13
1898	44.7	83	9	7.44	5.26	6.42	10.63	0.6	11	11	7	13
1899	37.4	78	− 8	2.92	3.19	2.34	3.23	8.9	10	9	11	11
1900	40.4	88	− 4	1.52	1.43	1.35	1.79	0.2	6	15	9	7
1901	42.7	85	− 1	3.77	3.33	4.21	3.77	1.8	8	11	8	12
1902	45.3	85	1	3.71	2.50	4.64	3.99	0.8	9	10	10	11
1903	46.8	81	9	3.62	2.34	4.17	4.34	1.1	8	13	7	11
1904	44.8	87	8	4.55	3.54	3.13	6.98	1.2	9	11	9	11
1905	50.3	88	10	3.15	2.27	3.36	3.83	T.	8	11	8	12
1906	34.6	75	− 5	3.98	2.63	3.12	6.18	8.6	11	6	7	18
1907	53.9	95	16	2.76	2.54	3.05	2.70	1.0	7	14	7	10
1908	50.1	89	14	2.98	1.38	3.33	4.22	1.0	7	14	7	10
1909	44.5	81	9	3.03	2.24	2.01	4.83	0.6	6	13	9	9
1910	55.8	96	15	0.77	0.26	1.00	1.05	0.1	2	20	7	4
1911	46.8	91	5	1.72	1.71	1.84	1.62	1.4	6	16	8	7
1912	35.2	89	− 4	4.69	3.69	5.25	5.12	16.5	11	12	6	13
1913	40.6	84	−12	4.64	3.44	4.52	5.95	5.0	9	12	8	11
1914	43.2	87	− 2	2.76	2.80	2.89	2.59	4.7	8	13	7	11
1915	36.4	70	6	1.45	1.20	2.01	1.15	7.9	6	7	8	16
1916	47.0	95	− 2	2.55	2.48	3.20	1.98	3.1	7	14	8	9
1917	45.2	86	− 7	2.69	2.70	2.80	2.57	1.5	7	15	7	9
1918	50.9	95	8	1.02	0.46	1.55	1.06	0.1	4	18	6	7
1919	46.3	90	− 2	2.40	2.27	1.44	3.49	0.7	6	15	8	8
1920	44.6	86	− 6	5.12	4.60	5.37	5.40	1.4	8	15	6	10
1921	51.9	90	11	5.06	3.52	5.32	6.34	0.5	10	13	9	9
1922	45.6	80	3	6.39	4.89	6.78	7.51	2.2	12	11	6	14
1923	40.4	83	−11	4.23	3.53	3.64	5.52	2.3	8	14	6	11
1924	38.4	80	8	2.54	2.52	2.40	2.71	9.4	8	8	8	15
1925	47.7	86	− 5	1.94	1.77	1.98	2.07	0.8	5	17	8	6
1926	39.6	83	8	2.87	2.15	2.82	3.63	7.0	8	13	6	12
1927	45.9	80	0	5.93	4.08	6.88	6.83	3.7	11	12	8	11
1928	46.3	89	10	1.61	1.00	1.58	2.24	2.4	5	15	9	7
1929	48.6	97	11	3.33	2.99	3.13	3.88	T.	8	12	8	11
1930	43.2	80	6	1.38	1.19	0.91	2.04	1.4	4	18	6	7
1931	39.5	70	10	3.18	2.57	3.05	3.91	8.8	8	11	7	13
1932	38.3	81	− 2	1.99	1.39	1.62	2.96	2.8	7	12	9	10
1933	44.1	87	5	3.61	3.05	2.79	4.99	2.0	10	11	8	12
1934	41.2	82	− 3	2.55	1.53	2.10	4.03	4.9	7	13	8	10
1935	50.4	87	8	5.76	2.46	5.10	9.73	0.7	9	10	10	11
1936	49.4	84	13	1.27	0.82	1.00	1.98	T.	5	16	9	6
1937	40.4	77	6	1.66	1.27	2.15	1.56	2.8	6	12	8	11
1938	53.6	90	14	4.98	3.73	4.42	6.79	T.	12	13	7	11
1939	47.1	89	− 4	3.08	3.33	2.20	3.70	0.2	8	15	7	9
1940	43.1	89	0	2.44	2.07	2.43	2.83	4.0	8	9	9	13
1941	40.5	78	7	0.78	0.86	0.76	0.72	3.4	5	13	9	9
Period	**43.9**	**98**	**−12**	**3.19**	**2.49**	**3.10**	**3.99**	**3.0**	**8**	**13**	**8**	**10**

Natural History Library

Climatological Data for March 1941

Stations	Counties	Temperature, in degrees Fahr.									Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
		Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	46	38.6	− 1.7	72	31	11	17	39	48	1.06	−1.17	0.70	9.0	3	18	8	5	nw.	A. S. Cumming
Brunswick	Chariton	652	60	38.5	− 3.4	73	31	14	17†	43	62	0.92	−1.78	0.45	3.2	6	17	1	13	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	3	37.3	......	69	31	10	17	32	11	0.59	−1.75	0.29	3.2	6	12	11	8	nw.	Lockmaster
Chillicothe	Livingston	779	32	37.7	− 4.0	72	31	12	17	39	35	0.83	−1.65	0.40	4.8¶	9	19	6	6	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	42	39.2	− 3.0	72	31	10	17	35	32	0.87	−1.87	0.39	5.5¶	5	13	8	10	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	51	40.9	− 2.0	71	31	14	17	34	51	0.61	−2.33	0.28	0.5	5	7	12	12	nw.	U. S. Weather Bureau
Conception	Nodaway	980	52	38.4	− 1.4	72	31	10	17	35	57	0.70	−0.95	0.33	7.5	3	9	18	4	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	21	39.2^{a}	− 4.0	74	31	11	8	42	30	1.05	−1.21	0.55	8.3	5	18	2	11	nw.	Fred L. Stiff
Elsberry	Lincoln	449	10	39.0	− 4.5	68	20	9	17	38	10	1.11	−1.65	0.69	2.0¶	4	12	14	5	n.	Ray E. Mills
Fayette	Howard	760	61	39.2	− 2.7	71	31	12	17	35	58	0.82	−2.00	0.39	3.0	5	15	5	11	nw.	Irvin E. Schnell
Fulton	Callaway	818	53	38.9	− 5.2	69	20†	13	17†	42	49	0.81	−2.15	0.42	1.0	4	16	7	8	nw.	Clyde C. Herring
Grant City	Worth	1,134	37	37.8	− 3.5	71	31	10	17	39	49	0.82	−1.19	0.42	6.0	3	12	12	7	nw.	Howard Rybolt
Hannibal	Marion	759	49	38.3	− 2.7	70	31	11	17	36	57	0.96	−1.64	0.40	5.7	8	13	6	12	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	52	40.6	− 2.1	73	31	16	17	35	52	0.87	−1.66	0.40	5.6	7	9	12	10	nw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	3	41.9	......	73	31	15	17	32	3	0.97	......	0.44	6.2	4	6	12	13	nw.	University of Kansas City
Kidder	Caldwell	1,020	49	38.0	− 2.8	71	31	12	17	33	53	0.73	−1.46	0.34	5.0	3	16	8	7	nw	Mrs. Geraldine Terry
Kirksville	Adair	969	52	38.4	− 1.3	69	31	10	17	33	59	1.09	−1.85	0.53	4.7	5	15	10	6	nw.	Howard Coons
Lawson	Ray	1,070	3	38.6	......	71	31	13	17	32	3	1.14	......	0.58	7.4	4	10	14	7	nw.	Elmer E. Lamb
Louisiana	Pike	469	47	38.4	− 5.1	76	31	12	18	38	60	1.40	−2.07	0.80	3.0	3	21	3	7	w.	Stark Bro's Nurseries
Macon	Macon	875	42	37.2	− 5.0	71	31	10	17	41	48	0.74	−2.10	0.23	3.0	5	20	5	6	sw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	51	38.0	+ 0.1	71	31	11	17	36	47	0.78	−1.09	0.35	7.7	5	11	7	13	nw.	R. B. Montgomery
Memphis	Scotland	787	2	35.2	......	70	31	9	17†	47	11	0.47	−1.89	0.21	2.5	3	13	6	12	nw.	John W. Alexander
Mexico	Audrain	800	52	38.0	− 4.0	70	31	11	1	45	63	0.93	−1.98	0.35	3.0	5	19	4	8	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	4	40.6	......	72	31	12	17	36	4	0.33	......	0.17	1.8	4	18	10	3	nw.	Beverly Coomes
Oregon	Holt	1,048	85	39.2	− 0.4	74	31	12	17	37	85	0.98	−0.98	0.50	9.5	4	15	11	5	nw.	Miss Mina Wright
St. Charles	St. Charles	520	53	40.6	− 3.9	71	20	14	17	46	63	0.84	−2.33	0.61	3.0	3	15	13	3	sw.	Martin L. Comann
St. Joseph	Buchanan	957	31	39.8	− 0.7	72	31	14	17	34	69	0.96	−1.52	0.53	7.2	7	9	13	9	nw.	U. S. Weather Bureau
Steffenville	Lewis	650	43	36.3	− 5.9	68	31	10	1	47	48	0.87	−2.14	0.60	6.0¶	4	12	14	5	w.	Frank Hall
Tarkio	Atchison	916	38	37.0	− 3.1	70	30†	11	17	41	47	1.00	−0.67	0.46	8.0	3	10	10	11	ne.	Albert Volker
Trenton	Grundy	822	45	39.0	− 2.1	72	31	11	17	37	46	1.08	−1.37	0.54	7.5	5	14	13	4	n.	W. H. Estes
Unionville	Putnam	1,062	48	35.0	− 3.9	71	31	7	1	46	48	0.94	−1.56	0.42	5.0	4	17	9	5	nw.	John H. Schick
Warrenton	Warren	816	59	40.6	− 1.9	68	31	12	17	38	51	1.03	−2.15	0.60	3.0	4	10	12	9	nw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia	574	69	37.7	− 1.2	67	31	10	17	30	69	0.40	−1.98	0.23	1.5	5	10	8	13	n.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**38.6**	**− 2.9**	**76**	**31**	**7**	**1**	**47**	..	**0.86**	**−1.63**	**1.24**	**4.8**	**5**	**14**	**9**	**8**	**n.**	
Southwestern Division																					
Anderson (near)‡‡‡	McDonald	1,000	37	41.8	− 7.0	76	31	12	13	41	42	2.03	−1.67	1.18	5.0	4	10	12	9	ne.	E. S. Taylor
Appleton City	St. Clair	813	46	41.0	− 4.1	75	31	13	17	37	49	0.46	−2.69	0.28	2.0¶	5	13	4	14	ne.	Rolla Brown
Bolivar	Polk	1,071	38	41.3	− 5.0	72	31	15	17	32	46	0.85	−2.58	0.48	5.3	7	14	6	11	nw.	Southwest Baptist College
Boonville	Cooper	650	3	38.6	......	70	31	13	17	39	64	0.44	−2.60	0.28	0.2	5	15	1	15	nw.	Boonville Water Dept.
Carthage	Jasper	962	7	42.6	......	74	31	17	17	38	17	1.00	......	0.40	7.5	4	13	12	6	sw	Carthage W. and E. Plant
Clinton	Henry	786	48	40.8	− 4.2	76	31	14	17	39	54	0.54	−2.82	0.21	4.0	6	2	20	9	ne.	U. S. Weather Bureau
Eldon	Miller	934	46	38.6	− 5.0	72	31	14	17†	48	42	0.68	−2.36	0.33	2.0	6	13	11	7	ne.	E. H. Shepherd
Harrisonville	Cass	904	63	38.8	− 2.5	70	31	12	17	34	66	0.72	−2.08	0.35	4.0	3	12	9	10	nw	John H. Patterson
Jefferson City	Cole	557	51	38.0	− 5.6	69	31	12	17	51	59	0.68	−2.38	0.23	2.0	6	16	6	9	w.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	19	42.6	− 6.0	73	31	18	17	33	36	0.75	−2.45	0.38	6.0¶	6	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	10	39.6	− 5.0	73	31	15	18	42	10	0.59	−2.16	0.18	....	7	..	..	..	nw.	W. S. Frame
Lamar	Barton	980	53	40.6	− 5.4	77	31	14	1	53	60	0.62	−2.57	0.40	5.0¶	3	18	5	8	nw.	Jesse A. Mann
Lebanon	Laclede	1,265	53	40.8^{a}	− 4.2	71	31	12	17	38	54	0.37	−3.11	0.17	2.5	4	4	16	11	nw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	56	39.8	− 3.6	76	31	14	17	37	57	1.19	−1.59	0.60	6.0¶	4	16	10	5	ne.	Miss Carrie Loomis
Lockwood	Dade	1,078	35	42.2	− 5.1	73	31	16	17	35	45	0.82	−2.74	0.37	7.0¶	5	17	5	9	nw.	Hubert A. Nieman
Marshall	Saline	779	54	39.8	− 3.2	72	31	14	17	46	51	0.60	−2.32	0.30	3.0	2	21	8	2	ne.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	40	41.4	− 4.0	70	21	13	17	36	44	0.67	−3.20	0.28	2.7‖	9	8	17	6	se	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	29	42.8	− 8.1	77	31	15	17	37	41	1.53	−2.36	0.55	6.5	5	7	13	11	n.	G. H. Boswell
Neosho	Newton	1,011	54	42.7	− 5.4	72	31	11	8	38	58	2.98	−0.57	1.80	9.5‖	5	11	10	10	s.	U. S. Fisheries Station
Nevada	Vernon	862	48	41.9	− 3.0	72	31	15	17	38	49	0.68	−2.19	0.26	3.5¶	5	20	2	9	nw.	Henry Kraft
Ozark Beach	Taney	700	1	41.9	......	77	31	17	18	47	16	0.85	−2.24	0.19	3.0¶	8	16	4	11	......	V. Smith
Sedalia	Pettis	910	28	41.4	− 1.4	75	31	14	17	35	30	0.32	−2.51	0.16	0.4	4	14	5	12	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	40	41.3	− 5.3	74	31	14	17	36	38	0.90	−2.70	0.60	7.5	2	16	9	6	e.	Floyd E. Fawver
Seymour (near)	Webster	1,642	35	40.4	− 5.0	69	31	12	18	34	35	0.67	−2.99	0.30	3.5	4	13	9	9	nw.	A. L. Hailey
Springfield	Greene	1,301	53	40.0	− 5.2	70	31	14	17	33	53	1.01	−2.38	0.30	7.3	8	8	9	14	nw.	U. S. Weather Bureau
Sweet Springs	Saline	700	0	41.2	......	77	31	11	17	46	0	0.93	......	0.60	6.0	3	17	6	8	nw	H. F. Nelson
Warrensburg	Johnson	878	54	41.2	− 2.8	76	31	15	17	36	61	0.53	−2.56	0.29	2.5‖	3	16	4	11	sw.	E. A. Markey
Warsaw	Benton	687	40	41.9	− 5.1	75	31	13	17	40	46	0.36	−3.19	0.20	2.5	3	7	18	6	nw.	Everett Martin
Division means	**and extremes**	.....	..	**40.9**	**− 4.4**	**77**	**31**	**11**	**8**	**53**	..	**0.76**	**−2.34**	**1.80**	**4.3**	**5**	**13**	**9**	**9**	**nw.**	
Southeastern Division																					
Advance	Stoddard	354	4	41.4	......	73	3	12	17	38	4	0.90	......	0.43	0.8¶	6	9	10	12	ne.	U. S. Weather Bureau
Arcadia	Iron	926	60	39.4	− 5.2	71	21	12	18	45	63	0.65	−3.40	0.20	2.8‖	7	14	9	8	......	Arcadia College
Birch Tree (near)	Shannon	1,000	46	41.9	− 5.4	70	20	13	17†	38	47	0.97	−3.01	0.38	4.0‖	4	17	6	8	n.	V. H. Kirkendall
Campbell	Dunklin	314	15	46.4	− 1.6	75	3	18	17	39	15	1.12	−4.80	0.50	T.	5	18	7	6	ne.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	45	44.3	− 7.1	72	3	20	17†	42	49	0.97	−3.49	0.30	T. ¶	7	12	2	18	n.	Victor T. Mallourc
Crystal City	Jefferson	429	7	39.8	......	71	20	10	18	44	7	0.33	......	0.20	0.2	3	5	6	20	w.	Frank Magre
Doniphan	Ripley	344	37	43.8	− 5.2	75	3	13	18	44	37	1.06	−3.33	0.49	T. ¶	5	20	2	9	n.	Boyce Lackey
Farmington	St. Francois	896	30	41.8	− 4.7	69	20	15	17†	42	44	0.46	−3.46	0.14	1.0¶	5	16	6	9	nw.	F. M. Karsch
Goodland	Iron	1,000	48	39.8	− 5.2	72	20	10	18	45	48	0.64	−3.25	0.28	4.0¶	4	18	5	8	n.	F. M. Adams
Greenville	Wayne	381	32	43.2	− 4.5	72	31	13	18	45	34	0.51	−3.75	0.20	0.5	4	10	11	10	nw.	Benford Shoemake
Jackson	Cape Girardeau	428	50	42.9	− 4.3	70	3	17	1†	36	51	1.29	−2.88	0.53	T. ¶	4	16	7	8	n.	L. R. Crites
Koshkonong	Oregon	958	40	43.6	− 5.8	68	20†	15	17	33	41	0.95	−3.15	0.33	4.0‖	5	15	8	8	nw.	R. M. Hitt
Licking (near)	Texas	1,170	4	40.3	......	70	20	10	18	41	4	0.57	......	0.33	2.1	6	14	7	10	nw.	U. S. Forestry Service
Marble Hill	Bollinger	470	46	43.4	− 4.2	73	3	14	1	41	48	0.60	−3.68	0.34	T. ¶	3	12	13	6	n.	R. A. DeWitt
Poplar Bluff	Butler	339	36	45.6	− 3.0	74	3	19	17†	37	37	0.71	−3.65	0.44	T	2	20	7	4	e.	B. R. Wheetley
Rolla	Phelps	1,202	41	39.6	− 5.9	67	31	13	17	35	57	0.63	−3.09	0.24	1.3‖	6	8	13	10	nw.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	104	40.8	− 3.3	66	20	15	17	35	104	0.60	−2.78	0.24	0.5	5	10	8	13	nw	**Section Center**
St. Louis Airport	St. Louis	556	4	39.4	......	68	20	13	17	38	10	0.72	......	0.44	2.5	9	10	6	15	n	U. S. Weather Bureau
St. Louis University	St. Louis City	578	29	40.8	− 3.4	66	20	15	17	34	29	0.45	−2.89	0.20	0.9	6	13	10	8	n.	St. Louis University
Salem	Dent	1,173	37	40.1	− 6.3	67	20	13	17	36	40	0.69	−3.18	0.26	T.	5	17	8	6	s.	E. E. Martin
Sikeston	Scott	318	34	44.0	− 4.6	78	21	18	17†	45	44	0.45	−4.01	0.15	T. ¶	5	12	19	0	n.	Mrs. Hazelle P. Young
Union	Franklin	520	3	41.4	......	71	20	12	18	42	24	0.66	−2.64	0.39	1.7¶	5	15	6	10	ne.	Robert Mueller
Wappapello Dam	Butler	475	2	43.8	......	73	3	17	18	36	2	0.73	......	0.28	0.3¶	7	17	3	11	nw.	J. E. Harns
West Plains	Howell	1,005	4	41.4	......	70	20	16	17	40	4	0.80	......	0.28	3.5	6	8	10	13	nw.	U. S. Weather Bureau
Willow Springs	Howell	1,238	0	42.4^{c}	......	69	20†	15	17	41	31	0.83	−3.41	0.28	T.	3	15^{c}	4^{c}	7^{c}	ne.	G. W. Yarnell
Cairo, Ill.	Alexander, Ill.	315	69	43.0	− 4.2	71	3	19	17	33	70	0.58	−3.17	0.17	1.3	8	9	8	14	n.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**42.0**	**− 4.7**	**78**	**21**	**10**	**18**	**46**	..	**0.72**	**−3.27**	**0.75**	**1.2**	**5**	**13**	**8**	**10**	**n.**	
State means	**and extremes**	.....	..	**40.5**	**− 3.4**	**78**	**21**	**7**	**1**	**53**	..	**0.78**	**−2.41**	**1.80**	**3.4**	**5**	**13**	**9**	**9**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for March 1941

Stations	Drainage basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Amity[3]	Grand			T.	.03		.37	.06	T.		.17	T.		T.		.36												T.	T.		T.	T.	0.99
Bethany	do						.70			.10			T.			.26																	1.06
Bowling Green[3]	Mississippi						.05				.05					.28																.13	0.51
Brunswick[2]	Grand			T.	.01		.17	.04			.08					.45													T.			.17	0.92
Canton, Lock No. 20[2]	Mississippi						.29	.02			.04	T.		T.		.19	T.	T.											T.		.02	.03	0.59
Centralia[3]	do			.04			.04									.33																.13	0.54
Chillicothe[3] (A)	Grand			T.	.01		.24	.01			.12	.01		.01		.40															.01	.02	0.83
Clifton Hill	Chariton						.22	T.			.12					.39															.02	.12	0.87
Columbia[1]‡	Missouri		T.	T.	T.	T.	.05	T.		T.	.02			T.	T.	.26												T.	T.		.27	.01	0.61
Conception	do				.05		.32	T.			T.		T.	T.		.33	T.							T.			T.						0.70
Edgerton	Missouri			T.	.03		.55	.12			.02					.33																	1.05
Edina[3]	Mississippi			T.			.24	T.			.11	T.		T.		.22	T.	T.															0.57
Elsberry	do							.10			.69					.15															.17		1.11
Farber[2]	do							.03								.35																.42	0.80
Fayette	Missouri			T			.25				.05			T.		.39															.10	.03	0.82
Fulton[2]	do							.10			.07					.22													T.			.42	0.81
Gallatin[2]	Grand						.32									.38																	0.70
Gorin	Mississippi						.40					T.		T.		.21	T.												T.		T.	T.	0.61
Grant City	Grand		T.	.08	T.		.42						T.	T.		.32																	0.82
Hannibal[3] (A)	Mississippi			.01			.40	.01			.05				.03	.30															.04	.12	0.96
Hermann[2]	Missouri			.02				.04			.27	.17		T.	T.	.06																.22	0.78
Kahoka[3]	Mississippi				T.		*	.15				T.		T.		.03													T.				0.18
Kansas City Airport[1]‡	Missouri			.01	T.	.26	.11	.02		.07	T.			T	.26	.14												T.			T.		0.87
Kansas City University	do						.44	.10				.07				.36																	0.97
Kidder[2]	Grand						.32	T.			.07					.34																	0.73
King City	Missouri			T.	.05			.50						T.		.30																	0.85
Kirksville	Mississippi						.53	.02			.02	.22		T.		.30																	1.09
LaBelle[2]	do						.42				.08					.26																	0.76
Lawson	Missouri			T.	T.	T.	.58	.04			.04					.48											T.				T.		1.14
Linneus[2]	Grand				T.		.60	T.			.18					.40																.06	1.24
Louisiana (A)	Mississippi						.30								.30																	.80	1.40
Lucerne[2]	Grand						.36	T.			.05	.01				.20															T.		0.62
Macon[2]	Chariton				T.		.21	.01			.14	T.		T.		.23															T.	.15	0.74
Madison[3]	Mississippi			.01			.07	.01			.04					.38															T.	.20	0.71
Maryville	Missouri			.02	.01		.35	T.			.05		T.	T.		.35											T.	T.					0.78
Memphis[2]	Mississippi						.20	T.			.06	T.		T.		.21	T.																0.47
Mexico[3]	do						.10	.10			.03					.35																.35	0.93
Milan[3]	Grand						.34	.04			.08	.03				.30	.05																0.84
Moberly	Mississippi			T.			.07	.10			T.			T.		.05															T.	.11	0.33
Monroe City	do		T.	T.	T.		.18				.06					.37																.21	0.82
Oregon	Missouri				.15		.50	.10			T.					.23																	0.98
Palmyra[2]	Mississippi			T.	T.		.52				T.			T.		1.24	T.												T.			.06	1.82
Paris[3]	do			T.	T.		.10	.02			.04			T.	T.	.41	T.														T.	.34	0.91
Perry[2]	do			.10			.10									.35																.35	0.90
Philadelphia[2]	do						.35				.05					.10																.08	0.58
Platte City[2]	Missouri				T.		.42	.04	T.		.07					.38																	0.91
St. Charles[2]	do				T.			T.				.61		T.															.04			.19	0.84
St. Joseph[1]‡	do		T.	.05	T.	.47	.08	.02		.06	T.		T.	T.	.19	.09													T.				0.96
Saverton, Lock No. 22[2]	Mississippi			.07			.45	T			.03	T.		T.		.41															T.	.37	1.33
Shelbina	do					.25	T.				.10			T.		.33													T.	.01		.21	0.90
Shelbyville[2]	do						.50				.12					.24																.12	0.88
Steffenville[2]	do						.60	T.			.09			T.		.15																.03	0.87
Tarkio	Missouri			.18			.46									.36																	1.00
Trenton	Grand			T.	T.	.54	.01				.10		T.	.01		.42															T.		1.08
Troy[2]	Mississippi			T.	T.			.10			.48	.43			T.	.11	.01															.16	1.29
Unionville[2]	Chariton						.42	T.			.09	.15		T.		.28															T.		0.94
Warrenton	Mississippi						T.	.06			.60			T.		.12													T.		T.	.25	1.03
Keokuk, Iowa[1]†	do		T.	T.			.14	T.			.01	T.		T.	.02	.21	T.											T.	T.		.02	T.	0.40
Southwestern Division																																	
Altona[2]	Osage						.30									.12																	0.42
Anderson (near)	Neosho						.04	.33					1.18			.48															T.		2.03
Appleton City	Osage						.28	.04	T.		.02					.10															.02		0.46
Bloodland[2]	Gasconade	T.					.07	.02			.13	T.				T.	.08														T.	.04	0.34
Bolivar	Osage			T.		.19	.29	.05	.01		.20		T.			.08															.03	T	0.85
Boonville[2] (A)	Missouri			T.			.02	.05		T.						.27	.01														T.	.09	0.44
Buffalo[2]	Osage						.38		.01		.06					.02																	0.47
Butler[2]	do						.35	.10																							.02		0.47
Caplinger Mills	do					.46	.09	.02	.02		T	T.				T.													T.		T.		0.59
Carthage	Neosho						.28	.18					.40			.14																	1.00
Clinton[4]	Osage					.09	.19	.08		T.	.02			T.	.06	.10															T.		0.54
Concordia[3]	Missouri				T.		.07	.03								*	.42																0.52
Crocker[2]	Osage																																....
Eldon[3]	Missouri						.14	.08	.02		.33					.03																.08	0.68
Galena[3]	White						.35	T.	.20		.02	T.		.16		.03	.31															.04	1.11
Hailey	do						.23	.39	T.		T.		.25			.32																.04	1.23
Harrisonville[2]	Osage						.35	.06	T.							.31																	0.72
Higginsville[2]	Missouri						.17	T.								.43																	0.60
Jefferson City[2]	do						.05	.16			.19					.02	.03															.23	0.68
Joplin[3]	Neosho					.10	.12	.03				.38			.02																.10		0.75
Lakeside[2]	Osage						.18	.10	.03		.15					.03	.02												T.	T.	T	.08	0.59
Lamar[2]	Neosho						.40	T.	.12					.10		T.	T.																0.62
Lebanon	Osage						.17	.05								.05																.10	0.37
Lexington[3]	Missouri				.02		.47	.10								.60																T.	1.19
Lockwood	Osage					T.	.37	.12			.16		.08			.09															T.		0.82
Manes[2]	Gasconade				T.		.08	T.	T.		.06	T.		.09		.04																.06	0.33
Marshall	Missouri						.30			T	T.				.30																		0.60
Mountain Grove	White						.09	.02	.02		.12		.07	.05		.26	.02														.02		0.67
Mount Vernon	Neosho						.55	.35					.30			.28															.05		1.53
Neosho	do						.14	.51			.08		1.80			.45															T.		2.98
Nevada	Osage					.25	.26	.10			T.		T.			.04															.03		0.68
Osceola[3]	do						.22	.10	.05							.08														.05	T.		0.50
Ozark Beach[2]	White						.19	.02	.17		.08	T.		.13		.01	.10															.15	0.85
Pleasant Hill[2]	Osage						.60	.16			T.			T.		.33												T.			T.		1.09
St. Thomas (near)[2]	do						.10				.25					.04																	0.39
Sedalia	Missouri						.10	.05			T					.16															.01		0.32
Seligman	Neosho						T.	.60			T		.30																		T.		0.90
Seymour (near)	White						.25	.02	T.		T.		.10			.30																	0.67
Springfield[1]‡	do		T.			.07	.23	.21		T.	.02		.16	T.	.01	.27													T.		.04	T.	1.01
Stover[2]	Missouri							.17								.06																	0.23

Continued on next page

Daily Precipitation for March 1941—Continued from preceding page

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—	*Concluded*																																
Sweet Springs	Missouri					T.	.60	T.			.02					.31												T.	T.		T.		0.93
Warrensburg	...do						.20	.04			T.			T.		.29																	0.53
Warsaw (A)	Osage						.20	.05								.11													T.		T.		0.36
Waverly[2]	Missouri				T.		.22	.05			T.					.43	T.																0.70
Southeastern Division																																	
Advance[4]	St. Francis				T.		.01				.43		T.	T.		.14	T.						.03	.19							T.	.10	0.90
Alton (near)	Black						.33				.21		.05			.10															.34		1.03
Annapolis	St. Francis					.05					.25		.03	.05		.15															.02	.14	0.69
Arcadia[2]	...do	T.			T.		.04	.06				.20		.09		.01	.17															.08	0.65
Belleview	Meramec						.04	.06				.19		.09		.02	.17															.06	0.63
Birch Tree (near)	Black						.11				.38					.17																.31	0.97
Bragg City[2]	St. Francis			T.	.20						.63								T.	T.				.36	.67								1.86
Campbell	...do			T.			T.				.04			.01		.07	T.							.50								.50	1.12
Cape Girardeau[2]	Mississippi											.56		T.		T.	.16							.57	.12							.04	1.45
Caruthersville[2]	...do				.27							.05		.08		T.	.30							.05	.07							.15	0.97
Centerville[2]	Black						.02	.10				.26		.10		T.	.18															.11	0.77
Crystal City	Mississippi						T.				.20					.08																.05	0.33
Cuba[2]	Meramec			.26			.20				.06																						0.52
Dexter[2]	St. Francis							T.				.17		T.		T	.09							.34								T.	0.60
Doniphan	Black	T.			T.	.15					.18			.09		.15								T.								.49	1.06
Farmington	St. Francis						.05				.14		T.	.05		.10															T.	.12	0.46
Fisk[2]	...do			T.			.05				T.	.07		.03			T.							.16								.21	0.52
Fredericktown[2]	...do							.03				.30		.06			.23															T.	0.62
Gerald[2]	Meramec							.08			.24	.10				.05															.29		0.76
Goodland	Black						.10				.28			.06		.20																	0.64
Greenville	St. Francis						T.				.20			.06		.06																.19	0.51
Jackson	Mississippi										.53			T.		.20								.36								.20	1.29
Jerome[2]	Gascouade						.05				.25																						0.30
Koshkonong	Black						.23	.04			.25		T.	T.		.10																.33	0.95
Leeper[2]	...do						T.	T.									.40															.20	0.60
Licking (near)	Gasconade					T.	.05	.03			.10		.03	.03		.33	T.																0.57
Marble Hill	Mississippi										.34					.12																.14	0.60
Meramec Park[2]	Meramec							.01			.06	T.				.03																	0.10
Morehouse	Mississippi										.08					.01	T							.31								.19	0.59
New Madrid[2]	...do				.05			.02				.06		.11	T.		.17							.01	.02							T.	0.44
Owensville[2]	Gasconade										.46					.12																.48	1.06
Pacific[2]	Meramec			T	T.			T.				.72				T.													T.			T	0.72
Parma[2]	St. Francis				T.							T.		T.			.06							.37	.10							.09	0.62
Perryville[2]	Mississippi						T.					.02				*	.03															.05	0.10
Poplar Bluff[2] (A)	Black						T.	T.				.27		T.			T.							T.	T.							.44	0.71
Richwoods[2]	Meramec							T.				.75		T.	T.																	.15	0.90
Rolla[4]	...do		T.		T.	.14	.05	T.		T.	.24		T.	T.	T.	.12												T.	T.		.07	.01	0.63
St. Louis:																																	
City Office[1]‡	Mississippi		.01	T.	T.	T.	T.	T.			.23			T.		.09													.03		T.	.24	0.60
Airport[4]‡	Missouri		.01		.01	T.	.01	.03			.44		T.	T.		.06													.02		.01	.13	0.72
St. Louis Univ.[3]‡	Mississippi		.01		.01		T.				.10			T.		.08													.05		T.	.20	0.45
Washington Univ.[2]‡	...do										.03	.33				.07	.04												.01			.17	0.65
Salem	Meramec						.05	T.			.26		T.			.22															.04	.12	0.69
Sikeston[2]	Mississippi						T.	T.			T.	.05		T.		T.	.10							.05	.10							.15	0.45
Union	Meramec			T.			.01	.02			.39					.03																.21	0.66
Valley Park[2]	...do			T.	T.			T.			T.	.38				T														T		.14	0.52
Van Buren	Black						.08				.20		.06			.06																.29	0.69
Wappapello Dam[2]	St. Francis			T.			.02	.03			T.	.28		.03		T.	.10							.04	T.							.23	0.73
Weingarten[2]	Mississippi							.10				.20		.10																		.40	0.80
West Plains[4]	Black						.15	T.			.21		.02		T.	.14															.21	.07	0.80
Williamsville[2]	...do						.07	.03				.20		.10			.11															.35	0.86
Willow Sprgs. (near)[2]	White						T	T.			.27		T.	T.		.28																.28	0.83
Zalma (near)	Mississippi						.02				.41			T.		.14								.05								.17	0.79
Cairo, Ill.[1]‡	...do			T.	T.		T.	T			.11		.08	.09		.14							T.	.07					.01		.01	.07	0.58

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖‖ Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking (near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour (near), Steffenville, Tarkio, Wappapello Dam, Warsaw, and Washington University (St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for March 1941

(See precipitation data in daily precipitation table)

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly
Lakeside (Osage Dam)	Evaporation	.031	.048	.085	.066	.072	.036	‡‡‡‡	.015	.063	.053	.074	.135	.063	.043	.123	.006	*	.214	.105	.151	.098	.147	.138	.177	.118	.124	.114	.104	.065	.139	.092	2.694
	Mean temperature	32	45	40	34	30	28	32	36	43	36	41	35	34	36	35	34	26	34	43	48	50	48	51	43	38	42	44	40	41	48	60	39.6
	Wind movement	32	85	153	126	41	41	48	57	36	66	109	96	63	38	69	13	155	50	64	77	17	49	19	69	39	41	34	58	68	48	58	1,919
St. Louis (Washington University)	Evaporation	*	*	.488	*	*	.187	.029	*	.108	.059	.016	.099	.052	.042	.064	.000	*	*	*	.366	.111	.150	.128	.097	.138	.097	.108	.098	.052	.123	.054	†2.411
	Mean temperature	30	43	47	32	32	32	32	35	40	38	40	34	36	37	36	38	22	28	42	52	46	46	46	42	38	44	46	41	43	48	55	39.4
	Wind movement	41	58	122	118	52	44	105	130	56	43	79	63	38	51	55	44	127	74	50	51	75	103	50	80	95	46	35	66	68	43	53	2,120

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement. ‡‡‡‡ —.005. † For last 28 days of month.

Daily Temperatures for March 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	45	61	39	37	42	35	37	44	56	39	49	38	45	52	48	38	30	51	62	69	61	61	64	51	52	50	58	47	60	67	73	50.4
	Minimum	18	25	34	22	20	22	29	23	23	28	29	27	26	21	21	31	14	14	19	36	35	31	30	31	25	25	34	37	26	25	46	26.6
Chillicothe §§	Maximum	46	42	34	37	40	40	37	45	63	40	47	39	46	50	48	25	31	51	63	68	59	59	59	50	52	47	58	48	60	68	72	48.8
	Minimum	16	27	33	19	20	27	26	20	23	32	29	26	27	20	30	23	12	15	21	37	31	29	32	30	21	29	34	36	23	33	42	26.6
Columbia	Maximum	46	64	59	38	41	36	36	45	60	41	49	40	44	52	46	38	30	49	61	68	60	62	63	49	52	55	56	45	59	65	71	51.1
	Minimum	26	37	30	24	24	32	30	23	33	33	30	27	28	21	34	19	14	19	36	41	36	31	39	31	25	34	39	34	25	48	49	30.7
Fayette	Maximum	45	63	60	37	41	39	35	39	58	42	49	42	43	52	48	44	30	49	62	65	58	60	62	58	51	51	55	51	57	63	71	51.0
	Minimum	23	32	31	20	18	29	27	20	26	32	28	24	24	19	31	23	12	14	28	35	32	28	34	31	22	30	35	35	23	41	46	27.5
Grant City	Maximum	51	59	56	31	40	35	35	44	48	43	44	37	43	47	47	38	29	49	63	66	58	60	52	45	50	44	54	47	60	68	71	48.8
	Minimum	24	33	26	16	20	28	27	18	25	30	27	20	25	18	32	17	10	17	35	32	30	29	37	30	22	32	35	34	21	42	40	26.8
Hannibal	Maximum	42	61	59	35	41	35	36	39	50	42	47	42	45	50	46	39	29	40	63	65	55	59	61	44	49	51	54	46	57	60	70	48.8
	Minimum	21	34	27	24	20	29	26	20	29	32	30	24	29	23	32	14	11	14	27	37	29	27	33	29	24	33	37	34	27	42	46	27.8
Kansas City Airport	Maximum	55	63	62	38	39	34	34	44	51	44	47	38	42	49	49	39	32	56	61	66	60	59	62	50	51	50	58	46	59	66	73	50.9
	Minimum	29	43	27	20	22	30	24	22	32	32	28	29	28	23	35	19	16	24	37	41	36	33	34	30	24	35	38	32	27	49	43	30.4
Kirksville	Maximum	42	62	55	35	45	38	36	40	51	47	48	39	44	49	48	40	37	43	60	65	56	57	57	48	50	47	52	49	58	66	69	49.3
	Minimum	21	31	30	18	19	28	25	20	27	31	29	23	28	19	32	19	10	15	28	38	28	27	37	30	23	32	36	35	25	42	44	27.4
Lawson	Maximum	50	62	59	35	37	34	33	42	50	41	46	37	41	47	46	41	29	51	61	65	58	59	59	48	49	48	56	45	58	64	71	49.1
	Minimum	24	33	28	16	22	29	26	17	28	30	26	24	25	23	32	20	13	19	36	38	33	30	33	29	22	33	36	35	26	47	42	28.2
Louisiana	Maximum	40	61	50	37	40	35	36	45	54	46	45	42	45	50	45	30	30	40	65	70	60	55	60	50	45	52	56	46	63	56	76	49.3
	Minimum	20	33	35	23	17	30	28	30	31	35	30	26	30	17	27	22	13	12	30	35	30	30	25	30	20	27	30	35	25	30	46	27.6
Macon §§	Maximum	50	61	38	37	41	35	37	43	55	35	46	37	46	52	46	28	30	45	61	67	56	59	60	46	52	46	56	47	58	67	71	48.6
	Minimum	13	24	36	18	20	27	25	20	23	31	28	23	25	20	29	22	10	11	20	36	29	27	32	30	23	23	34	35	24	40	45	25.9
Maryville	Maximum	49	59	57	32	37	34	36	43	45	43	41	34	40	45	45	42	27	50	63	65	56	57	54	46	47	44	54	47	60	68	71	48.1
	Minimum	24	34	27	15	22	28	27	20	27	30	25	20	23	23	32	17	11	19	37	34	32	32	37	30	22	32	37	34	24	46	41	27.8
Mexico §§	Maximum	45	64	39	39	41	35	35	47	61	36	50	40	47	54	46	37	31	45	65	69	59	60	62	48	50	69	55	45	60	65	70	50.6
	Minimum	11	19	28	22	13	22	26	20	25	33	29	23	28	19	23	33	12	15	20	33	30	26	31	30	20	28	30	35	26	32	45	25.4
Moberly	Maximum	44	62	58	42	41	38	37	58	54	54	48	47	45	51	52	47	30	42	63	67	64	60	63	57	51	51	56	54	58	65	72	52.6
	Minimum	21	34	32	20	24	29	27	23	32	30	28	24	26	21	33	24	12	15	27	37	31	29	30	31	24	32	35	37	24	41	46	28.5
Oregon	Maximum	53	64	62	34	38	36	35	42	46	40	40	37	42	45	47	45	31	55	64	67	63	60	55	47	47	47	57	48	60	68	74	50.0
	Minimum	25	40	25	15	23	27	25	23	26	30	26	22	25	25	31	20	12	20	37	37	32	32	35	30	22	31	37	34	27	48	43	28.5
St. Charles §§	Maximum	49	63	49	42	40	39	35	50	53	38	50	41	48	52	41	45	31	42	68	71	59	61	64	52	53	57	57	46	60	58	67	51.1
	Minimum	21	27	38	27	21	30	29	25	29	36	31	27	30	22	35	32	14	16	22	37	33	29	38	35	24	30	39	37	28	36	47	29.8
St. Joseph	Maximum	52	62	60	36	38	34	37	43	48	43	44	37	43	46	48	39	32	54	63	67	60	64	57	50	51	46	56	47	60	66	72	49.9
	Minimum	27	39	26	18	23	29	26	21	29	31	28	26	27	22	33	17	14	22	39	38	35	33	34	30	25	34	38	33	29	50	46	29.7
Trenton	Maximum	46	60	50	36	40	41	39	45	52	45	44	37	45	49	48	40	32	49	63	67	60	59	55	56	53	45	55	45	60	67	72	50.2
	Minimum	24	30	32	17	20	29	27	18	30	31	28	23	26	20	32	19	11	18	33	36	31	30	33	29	21	33	35	36	23	44	41	27.7
Unionville §§	Maximum	47	60	42	38	43	33	37	44	50	33	45	39	46	49	46	25	29	45	61	60	55	60	52	44	52	42	53	51	59	68	71	47.7
	Minimum	7	22	33	15	15	19	24	19	20	26	26	20	22	17	19	24	8	8	15	35	27	26	27	25	19	22	30	33	21	25	40	22.2
Warrenton	Maximum	43	62	60	38	42	40	35	46	58	57	49	46	45	51	51	43	30	45	66	67	65	59	62	62	59	55	56	52	58	63	68	52.7
	Minimum	19	33	35	24	18	31	27	22	28	32	29	25	28	21	34	27	12	13	29	39	30	27	37	31	21	30	38	36	27	38	46	28.6
Keokuk, Iowa	Maximum	41	61	58	33	42	37	39	38	47	42	44	35	40	49	46	37	23	37	61	62	51	55	56	40	46	46	52	44	56	52	67	46.4
	Minimum	24	35	28	20	24	29	27	24	31	32	31	25	30	23	35	13	10	14	33	37	30	27	35	31	27	34	38	34	28	44	46	29.0
Southwestern Division																																	
Clinton	Maximum	54	63	62	41	40	34	33	45	60	45	55	40	40	52	48	37	36	55	63	70	65	64	66	51	55	55	61	45	61	66	76	52.8
	Minimum	26	37	30	25	21	31	27	21	28	30	25	26	23	22	32	19	14	19	34	35	38	32	37	31	23	31	38	28	22	44	47	28.9
Eldon §§	Maximum	42	63	40	39	41	34	33	46	61	39	52	38	41	53	47	41	33	50	63	65	62	61	65	52	52	58	57	44	60	64	72	50.6
	Minimum	15	24	39	27	20	20	30	22	22	29	29	28	25	22	21	31	14	14	15	34	35	30	30	32	22	23	30	33	30	30	46	26.5
Harrisonville §§	Maximum	52	64	36	40	38	31	36	44	50	46	51	42	40	38	40	35	30	50	61	68	63	61	64	50	52	50	59	47	60	59	70	49.3
	Minimum	19	32	31	19	22	26	27	19	23	30	28	28	24	24	35	30	12	19	29	34	37	33	35	30	26	32	35	34	26	36	40	28.2
Jefferson City §§	Maximum	46	64	39	40	40	36	33	46	61	38	52	38	45	53	46	40	32	49	66	67	63	62	67	52	53	55	55	45	59	63	69	50.8
	Minimum	17	22	36	25	16	17	27	20	20	31	28	24	24	20	21	31	12	13	15	30	35	29	31	29	23	25	28	34	26	28	44	25.2
Joplin	Maximum	58	62	64	40	42	38	34	45	63	44	49	38	36	49	46	40	34	54	58	66	66	64	64	49	54	54	57	44	58	60	73	51.7
	Minimum	31	50	31	28	26	34	29	23	38	32	27	27	22	27	40	23	18	24	35	44	42	41	43	36	29	37	38	34	29	50	50	33.5
Lamar §§	Maximum	60	65	61	45	41	39	34	47	67	48	54	38	41	53	48	42	40	68	63	69	70	67	69	54	56	59	60	46	60	66	77	55.1
	Minimum	14	29	36	26	22	23	29	20	20	31	24	24	23	22	21	26	15	15	21	31	31	36	35	33	25	25	34	30	22	25	41	26.2
Lebanon	Maximum	45	63	60	40	42	..	35	44	62	55	51	42	40	52	46	43	35	50	63	68	65	62	65	62	50	52	55	48	60	60	71	[a]52.9
	Minimum	23	34	37	25	19	..	27	15	27	30	25	28	22	20	35	25	12	15	30	37	37	45	31	31	22	31	35	33	22	41	45	[a]28.6
Lexington §§	Maximum	52	62	33	41	40	34	37	45	55	44	50	41	44	52	50	30	34	52	62	69	62	52	66	52	55	52	60	45	60	63	76	50.6
	Minimum	20	28	33	30	23	27	28	21	26	32	28	27	27	24	30	30	14	18	25	40	35	31	35	30	24	32	36	36	28	37	45	29.0
Marshall	Maximum	49	62	49	45	40	39	35	43	55	46	47	46	42	50	49	46	30	45	61	65	64	61	62	51	50	51	52	56	59	63	72	51.1
	Minimum	29	33	32	21	21	30	29	21	29	22	25	26	25	25	33	17	14	20	35	19	35	30	31	31	25	32	35	36	26	46	46	28.4
Mountain Grove	Maximum	42	61	59	46	41	40	35	44	64	60	50	46	41	50	47	48	33	46	60	67	70	67	68	63	57	56	54	52	57	60	69	53.3
	Minimum	22	32	41	26	22	29	29	22	28	30	26	27	21	20	34	30	13	17	28	38	41	34	41	34	23	34	34	32	23	39	43	29.5
Neosho	Maximum	58	59	63	50	44	44	39	46	67	64	54	49	36	51	53	50	37	52	59	63	67	68	65	65	55	55	57	57	58	58	72	55.3
	Minimum	28	44	40	28	20	33	30	11	29	34	25	28	16	22	39	26	18	20	34	35	33	38	39	36	29	32	32	33	21	42	39	30.1
Nevada	Maximum	60	63	61	44	40	36	34	47	62	50	51	49	41	51	48	46	38	51	60	69	69	67	70	59	57	55	58	49	59	64	72	54.2
	Minimum	22	37	34	25	22	30	29	22	30	31	25	28	25	19	37	25	15	20	33	32	38	34	38	31	24	34	38	32	22	43	42	29.6
Sedalia	Maximum	47	63	61	38	40	38	35	44	58	54	51	46	40	53	50	47	35	53	62	68	64	61	65	61	53	54	59	54	60	65	75	53.4
	Minimum	25	38	33	22	22	32	28	21	31	32	27	25	23	21	34	22	14	18	36	38	37	32	32	33	21	30	37	31	26	45	48	29.5
Springfield	Maximum	48	60	61	40	40	36	33	42	63	40	49	37	37	49	43	43	33	48	61	64	67	63	65	50	54	54	55	44	55	57	70	50.4
	Minimum	28	36	30	25	24	30	25	18	30	31	27	24	21	24	38	19	14	20	31	38	40	35	39	32	25	34	38	31	26	43	45	29.7
Warrensburg	Maximum	52	64	59	41	40	37	34	44	51	44	51	42	40	52	49	45	34	53	62	69	65	64	67	59	55	52	59	54	60	66	76	52.9
	Minimum	26	40	31	23	22	30	29	20	30	32	25	24	25	23	33	24	15	21	33	36	36	30	35	31	22	31	38	34	24	46	44	29.5
Southeastern Division																																	
Arcadia §§	Maximum	44	61	62	44	47	35	37	50	61	40	54	44	41	54	41	52	36	46	64	71	66	66	64	55	55	59	58	45	61	60	65	52.8
	Minimum	14	21	36	28	13	21	30	25	23	31	29	29	26	15	17	32	14	12	19	33	35	28	36	36	21	23	29	35	25	30	43	26.1
Birch Tree (near)	Maximum	46	63	62	48	45	46	43	50	62	55	52	50	41	52	50	55	37	46	62	70	69	64	63	59	54	59	57	53	60	60	67	51.8
	Minimum	27	29	46	27	21	16	30	24	24	30	27	31	21	20	30	27	13	13	26	42	46	34	38	36	24	29	34	34	24	34	43	29.0
Caruthersville §§	Maximum	47	66	72	41	47	50	59	54	61	55	55	52	48	54	43	63	39	44	63	69	71	62	57	55	55	61	64	59	61	65	56	56.4
	Minimum	22	24	36	33	26	28	37	32	26	30	28	30	32	26	32	37	20	20	26	33	42	42	42	43	32	35	38	39	29	34	44	32.2
Crystal City	Maximum	34	63	63	42	42	40	39	49	60	48	52	42	45	51	45	51	34	45	66	71	62	62	62	53	54	57	59	48	49	62	67	52.2
	Minimum	14	30	37	25	13	33	31	30	28	32	28	24	28	15	31	23	14	10	22	31	36	30	39	32	16	23	39	37	27	31	45	27.5
Doniphan	Maximum	49	63	75	60	47	41	45	55	65	54	57	53	46	55	45	65	45	46	63	69	65	70	64	59	56	61	63	56	63	69	66	57.7
	Minimum	18	30	57	32	15	31	34	28	21	33	30	26	27	17	36	32	17	13	20	31	34	38	46	37	28	29	40	31	23	30	47	30.0
Farmington	Maximum	42	60	61	46	46	42	38	47	60	52	51	44	40	62	49	52	33	43	64	69	65	62	64	59	52	56	55	53	58	59	64	53.2
	Minimum	18	33	45	28	18	31	30	25	26	33	30	29	29	20	36	29	15	15	30	34	37	32	41	37	26	28	40	37	30	38	42	30.4
Jackson	Maximum	42	60	70	55	47	45	43	49	58	55	53	52	43	50	49	57	42	42	61	68	66	66	65	53	51	57	55	54	58	62	60	54.5
	Minimum	17	34	55	29	18	35	33	27	23	33	32	29	30	20	37	32	17	17	27	32	40	34	45	38	26	28	39	33	26	36	47	31.3
Poplar Bluff	Maximum	47	63	74	59	46	44	45	54	64	53	56	50	45	55	49	64	41	46	64	69	69	66	62	58	55	59	61	51	63	68	64	56.9
	Minimum	21	31	58	34	22	34	35	29	29	35	32	32	30	25	38	37	19	19	27	37	46	39	47	42	29	35	40	41	31	39	49	34.3
Rolla	Maximum	45	62	59	38	43	33	33	43	62	42	48	48	38	53	42	42	30	47	63	63	61	60	62	49	51	55	52	43	58	60	67	50.1
	Minimum	22	34	30	25	21	30	28	22	27	31	27	28	26	22	34	17	13	16	28	39	38	30	40	29	25	34	39	31	28	41	46	29.1
St. Louis	Maximum	38	60	60	36	43	40	36	44	51	44	48	41	44	51	43	43	29	41	65	66	60	62	62	47	53	53	52	45	58	57	64	49.5
	Minimum	24	34	31	27	26	33	30	25	33	33	32	29	31	29	36	20	15	17	30	45	34	31	41	35	30	38	42	39	33	41	47	32.0
Salem	Maximum	45	60	57	42	45	41	33	45	63	55	47	43	39	52	42	46	31	46	62	67	62	63	63	58	52	57	53	48	58	60	66	51.6
	Minimum	21	33	42	27	15	30	29	23	27	32	27	29	25	18	33	25	13	15	29	33	38	30	34	34	20	28	39	33	23	37	45	28.6
Sikeston §§	Maximum	64	66	58	45	48	45	47	52	62	50	58	46	45	56	43	66	40	45	65	71	78	65	68	54	54	60	60	54	62	67	56	56.5
	Minimum	19	21	51	22	22	25	35	28	26	35	35	30	31	23	32	38	18	18	22	38	44	36	43	40	27	33	40	37	27	35	48	31.6
Union	Maximum	46	64	62	42	43	41	38	50	63	58	52	49	49	55	54	46	35	49	67	71	64	61	65	60	55	60	60	53	61	64	70	55.1
	Minimum	17	31	38	26	15	31	28	23	24	32	29	24	28	18	35	27	13	12	25	31	34	29	33	34	19	25	39	37	22	31	45	27.6
West Plains	Maximum	43	61	62	44	43	37	38	49	64	48	52	44	42	51	44	56	38	47	60	70	69	68	68	56	55	58	60	46	59	64	68	53.7
	Minimum	24	29	34	24	18	31	31	26	24	32	28	31	24	21	37	22	16	17	24	34	37	38	38	36	23	28	37	33	25	39	41	29.1
Cairo, Ill.	Maximum	43	63	71	41	46	43	47	50	56	51	53	46	40	49	42	57	34	42	61	67	65	65	55	51	50	57	55	49	56	61	54	52.3
	Minimum	21	35	38	28	24	37	35	29	29	35	33	33	32	29	36	26	19	20	30	42	45	37	46	36	31	35	43	39	34	41	49	33.8

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[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 4-28-41—1150.

Continued from page 11

Snowfall averaged 3.4 inches, or 0.4 inch more than normal. The greatest local monthly snowfall was 9.5 inches at Neosho and Oregon.

MISCELLANEOUS PHENOMENA

Aurora.—1st.

Duststorms.—Light, 3d, 11th.

Fog.—Dense, 6th, 14th, 15th, 16th, 31st.

Frosts.—Light, 1st, 9th, 11th, 15th, 16th, 17th, 18th, 19th, 20th, 22d, 24th, 25th, 26th, 27th, 28th, 29th; heavy, 1st, 5th, 7th, 8th, 9th, 14th, 16th, 19th, 25th, 26th, 29th; killing, 5th, 8th, 9th, 11th, 12th, 13th, 14th, 16th, 17th, 18th, 21st, 22d, 25th, 27th, 29th.

Halos,—Solar, 2d, 5th, 9th, 11th, 12th, 13th, 20th, 22d, 29th; lunar, 8th, 9th, 12th, 29th.

Sleet.—3d, 4th, 5th, 6th, 7th, 10th, 13th, 15th.

Thunderstorms.—Local, 9th, 10th, 31st; more or less general, 2d, 3d, 30th.

Windstorms.—Rather high winds were general on the 2d, 3d, and 16th, but no damage was reported.

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MAY .. 1941
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

VOL. XLV April 1941 No. 4

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The principal features of the month were the beneficial soaking rains of the first week and the high winds and excessive rains during the period, 14th to 19th. Sunshine generally was deficient, except in the Southeast Division, where there was a slight excess.

Temperature averaged above normal in all sections during the month, and this was the warmest April since 1925. The warmest period was from the 11th to the 19th, with the 12th generally the warmest day. The 1st and 2d were the coldest days, but some scattered stations had low temperatures as late as the 22d and 24th.

Precipitation averaged more than normal in the Northern and Southwestern Divisions, with a considerable excess in the Southwestern Division, but a deficiency of about half an inch was recorded in the southeastern counties. Rainfall was fairly well distributed throughout the month, with good rains during the first week and again during the middle of the month.

Subsoil moisture was badly depleted prior to the first week, but timely rainfall, together with mild temperatures, was favorable for crop growth. Light frosts were reported in north-central sections during the last week of the month, but there was no damage, although practically all crop growth was retarded to some extent.

Considerable planting of crops was accomplished during the month. Meadows, pastures and ranges were slow to start, but they showed rapid progress by the 15th. First cutting of alfalfa was made in some central counties during the last week. Cotton planting was well under way by the 20th in southeastern counties, with work almost complete by end of month.

Fruit trees generally were in bloom by end of second week, with good prospects in southwestern and southern sections, and elsewhere, except where killed by November cold wave.—A. A. R.

TEMPERATURE

The monthly mean for the State, 88 stations reporting, was 59.2°, or 4.0° above normal. The highest monthly mean was 64.8° at Campbell, and the lowest monthly mean was 55.6° at Steffenville. The highest recorded was 90° at Louisiana and Sikeston on the 12th, and at Elsberry on the 13th, while the lowest was 29° at Licking (near) on the 2d. The greatest daily range was 47° at Ozark Beach on the 1st.

PRECIPITATION

The average for the State, 154 stations reporting, was 4.49 inches, or 0.54 inch more than normal. The greatest local monthly amount was 11.01 inches at Anderson (near), and the least local monthly amount was 1.06 inches at Lucerne. The greatest amount in any twenty-four hours was 6.96 inches at Anderson (near) on the 18-19th. The average number of days with 0.01 inch or more was 10.

There was no snowfall in the State during April.

MISCELLANEOUS PHENOMENA

Duststorms.—12th, 13th.

Floods.—In Missouri River from Hermann to mouth, 20-25th; in Osage River below Osceola, 17-24th; in Gasconade River at Jerome, 19th-22d; in Bourbeuse River at Union, 21st-22d; in Meramec River below Sullivan, 18th-23d.

Fog.—Dense, 1st, 3d, 4th, 6th, 10th, 15th.

Frosts.—Light, 6th, 21st, 22d, 24th, 25th, 26th. Heavy, 24th. Killing, 1st, 10th, 22d, 24th, 25th.

(Continued on page 22)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.99*	30.45*	26	29.48*	19	8.4	28	s.	9	80*	58*	57*	50
Kan. C. Airport	29.96	30.42	26	29.42	19	11.4	41	sw.	19	76	56	56	51
St. Joseph	29.96*	30.43*	26	29.41*	19	10.1	30	sw.	19	84*	61*	63*	45
St. Louis	30.01*	30.46*	26	29.56*	3	11.6	33	sw.	19	73	51	56	65
Springfield	29.97	30.40	26	29.41	3	12.9	44	s.	17	80	58	59	56
Cairo, Ill.	30.03	30.43	26	29.54	3	8.2	27	sw.	14	75	49	..	68
Keokuk, Iowa	30.01§	30.45	26	29.41	19	7.8	30	sw.	19	74	54	..	59

* Data for Airport Station. § 7:30 A. M.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	57.9	94	20	1.92	1.54	2.37	1.85	....	5	..	..	..
1889	55.7	90	27	2.66	2.84	3.31	1.83	....	8	..	..	..
1890	56.2	93	25	3.58	2.26	3.43	5.05	....	8	..	..	..
1891	56.8	93	15	3.46	3.88	4.08	2.41	T.	9	..	..	..
1892	53.1	90	24	5.83	5.14	5.35	7.01	0.0	11	9	8	13
1893	53.9	95	19	8.27	6.37	9.14	9.29	0.0	12	8	9	13
1894	56.1	95	20	3.11	2.24	3.52	3.58	T.	8	12	10	8
1895	57.9	100	24	2.04	1.87	2.08	2.17	T.	7	14	8	8
1896	61.9	92	17	3.57	3.10	4.35	3.25	0.0	9	11	12	7
1897	54.4	88	21	4.65	4.07	3.78	6.10	T.	10	10	11	9
1898	52.5	90	14	3.64	3.77	3.75	3.40	T.	10	12	9	9
1899	54.0	96	6	3.80	3.46	4.02	3.93	3.8	8	12	9	9
1900	56.7	89	21	3.50	3.05	3.66	3.78	0.7	9	11	10	9
1901	53.3	94	24	2.96	2.63	2.83	3.41	1.8	8	14	7	9
1902	53.9	95	19	2.82	1.98	3.30	3.18	T.	11	13	11	6
1903	55.9	91	26	3.37	3.97	3.34	2.79	1.2	9	11	10	9
1904	49.0	84	19	5.63	6.14	6.07	4.67	2.7	9	15	6	9
1905	51.9	92	20	3.09	3.66	2.28	3.34	0.3	6	14	8	8
1906	59.5	93	22	2.42	2.67	2.40	2.18	0.0	6	17	7	6
1907	48.7	89	16	3.33	2.62	3.83	3.55	T.	8	11	8	11
1908	56.6	90	18	5.89	2.55	6.58	8.53	T.	11	11	8	11
1909	54.8	93	19	4.72	4.36	3.60	6.21	T.	8	13	9	8
1910	54.8	97	21	3.58	2.74	3.55	4.45	0.9	11	12	7	11
1911	53.5	91	20	4.93	4.28	4.70	5.81	T.	10	12	8	10
1912	56.0	89	24	6.08	3.78	6.47	8.00	0.7	10	13	7	10
1913	56.2	94	25	3.32	3.36	3.10	3.50	T.	7	16	5	9
1914	55.2	91	18	3.14	2.57	3.11	3.75	T.	8	12	7	11
1915	61.9	96	18	2.12	1.93	2.64	1.79	T.	7	16	8	6
1916	53.5	93	21	3.32	2.77	3.93	3.27	1.9	10	11	8	11
1917	53.2	89	19	5.95	5.66	5.08	7.11	1.2	12	12	6	12
1918	50.8	93	19	5.33	3.61	5.26	7.11	0.9	11	12	6	12
1919	55.3	94	20	3.03	3.15	3.46	2.47	T.	9	12	7	11
1920	50.2	89	4	3.82	4.86	3.30	3.31	4.8	11	11	7	12
1921	56.0	91	19	5.36	4.70	5.22	6.16	1.1	10	13	7	10
1922	57.3	91	24	6.41	4.96	8.47	5.81	T.	11	13	6	11
1923	54.2	92	14	3.26	2.52	3.38	3.89	0.4	8	14	8	8
1924	56.6	95	11	2.15	1.26	2.78	2.40	T.	6	14	8	8
1925	61.0	92	24	4.12	4.12	4.73	3.52	0.0	10	12	9	9
1926	49.9	91	11	2.42	2.39	2.17	2.69	2.4	8	14	6	10
1927	57.7	94	18	8.68	6.73	8.61	10.70	T.	14	10	7	13
1928	51.6	88	16	4.86	2.76	5.46	6.37	0.2	8	13	7	10
1929	57.4	96	27	6.15	6.32	6.58	5.56	0.0	12	11	8	11
1930	59.1	96	23	2.02	1.89	2.77	1.39	0.0	8	14	8	8
1931	54.8	90	22	2.96	2.92	2.77	3.18	T.	9	14	6	10
1932	57.6	95	22	2.58	2.43	2.52	2.78	0.0	8	14	8	8
1933	54.9	88	22	3.84	2.08	3.82	5.62	0.7	10	11	9	10
1934	56.5	90	24	2.50	2.06	2.61	2.84	T.	7	16	8	6
1935	52.3	90	23	2.90	3.10	3.02	2.59	0.7	9	9	7	14
1936	53.0	95	9	2.45	2.00	1.93	3.41	0.5	8	16	7	7
1937	54.5	93	21	4.04	3.25	3.67	5.21	T.	10	10	8	12
1938	56.7	89	18	3.68	3.79	4.13	3.13	3.2	10	13	9	8
1939	53.4	88	16	5.01	4.35	4.32	6.36	0.1	10	11	8	11
1940	54.0	92	15	4.41	3.01	4.57	5.64	0.3	11	11	8	11
1941	59.2	90	29	4.49	3.47	6.20	3.81	0.0	10	11	9	10
Period	55.2	100	4	3.95	3.39	4.10	4.35	0.6	9	12	8	10

Natural History Library

Climatological Data for April 1941

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	46	56.8	+5.3	82	13†	31	1	37	48	2.42	−0.87	0.98	0	6	13	8	9	se.	A. S. Cumming
Brunswick	Chariton	652	60	57.4	+3.2	86	13	35	1†	46	62	2.84	−0.99	0.88	0	9	11	4	16	e.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	3	55.8	.....	85	13	35	6	32	11	3.57	+0.81	1.06	0	11	8	11	11	se.	Lockmaster
Chillicothe	Livingston	779	32	57.2	+5.2	84	12	36	1†	39	35	2.84	−0.38	1.34	0	8	12	10	8	se.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	42	58.0	+4.5	85	13	34	1	34	32	2.60	−0.76	0.57	0	12	10	10	10	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	51	59.0	+4.2	87	13	38	1	33	51	3.94	+0.17	1.83	0	10	6	12	12	e.	U. S. Weather Bureau
Conception	Nodaway	980	52	56.8	+4.6	80	12†	34	24	33	57	2.69	−0.04	0.91	0	9	9	10	11	se.	Fr. Adelhelm Hess
Edgerton	Platte	856	21	57.5	+3.7	83	12	32	1†	38	30	1.82	−1.26	0.40	0	13	15	3	12	se.	Fred L. Stiff
Elsberry	Lincoln	449	10	58.0	+4.4	90	13	34	26	40	10	4.69	+1.64	2.25	0	9	11	11	8	se.	Ray E. Mills
Fayette	Howard	760	61	57.2	+3.0	85	13	35	1†	35	58	2.98	−0.57	0.65	0	12	13	7	10	s.	Irvin E. Schnell
Fulton	Callaway	818	53	57.3	+2.7	88	12	32	6	40	49	5.12	+1.11	2.90	0	10	13	10	7	se.	Clyde C. Herring
Grant City	Worth	1,134	37	56.2	+4.0	81	12	30	1	36	49	2.50	−0.46	0.98	0	8	10	8	12	se.	Howard Rybolt
Hannibal	Marion	759	49	57.6	+4.2	87	13	38	24	34	57	3.90	+0.71	1.79	0	11	11	2	17	s.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	52	59.0	+4.2	83	12	39	5	30	52	4.03	+0.89	1.35	0	15	5	8	17	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	3	59.3	......	83	12	37	5	29	3	4.58	......	1.35	0	15	5	11	14	s.	University of Kansas City
Kidder	Caldwell	1,020	49	56.6	+4.4	81	12	31	1†	31	53	3.56	+0.28	1.62	0	9	14	2	14	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	52	57.2	+5.3	85	13	35	1†	36	59	2.38	−1.72	1.07	0	8	10	14	6	se.	Howard Coons
Lawson	Ray	1,070	3	57.2	......	82	12	36	1	29	3	2.64	......	0.96	0	13	6	14	10	se.	Elmer E. Lamb
Louisiana	Pike	469	47	57.6	+3.6	90	12	32	22†	37	60	4.82	+1.10	2.55	0	9	15	7	8	w.	Stark Bro's Nurseries
Macon	Macon	875	42	56.8	+3.7	87	13	35	6	36	48	2.06	−1.60	0.54	0	11	10	11	9	sw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	51	56.2	+5.4	81	12†	35	21	29	47	2.95	−0.06	0.46	0	11	8	5	17	se.	R. B. Montgomery
Memphis	Scotland	787	2	55.7	......	89	13	34	24†	38	11	2.19	−1.01	0.77	0	9	12	5	13	se.	John W. Alexander
Mexico	Audrain	800	52	57.8	+4.0	89	12	33	6	41	63	5.66	+1.91	1.70	0	12	16	1	13	se.	Mrs. Abbie Snoddy
Moberly	Randolph	875	4	....	......	..	..	..	..	..	4	....	......	....	..	..	..	..	..	......	Beverly Coomes
Oregon	Holt	1,048	85	57.8	+5.1	82	12†	36	5	32	85	4.04	+0.75	1.80	0	9	12	12	6	se.	Miss Mina Wright
St. Charles	St. Charles	520	53	59.8	+4.2	89	12†	38	1	34	63	5.76	+2.01	2.20	0	10	17	2	11	s.	Martin L. Comann
St. Joseph	Buchanan	957	31	57.5	+4.0	81	12	38	10	30	69	5.04	+1.85	3.24	0	14	7	10	13	se.	U. S. Weather Bureau
Steffenville	Lewis	650	43	55.6	+2.5	87	13	35	1†	35	48	2.58	−1.00	0.55	0	10	7	17	6	e.	Frank Hall
Tarkio	Atchison	916	38	56.0	+3.8	82	12	33	1†	33	47	2.69	−0.55	0.71	0	6	8	6	16	se.	Albert Volker
Trenton	Grundy	822	45	57.2	+4.5	85	13	35	22†	36	46	2.08	−1.50	0.87	0	9	10	13	7	s.	W. H. Estes
Unionville	Putnam	1,062	48	56.6	+5.6	87	13†	32	6	40	48	1.32	−2.38	0.55	0	8	12	6	12	sw.	John H. Schick
Warrenton	Warren	816	59	59.4	+4.6	88	13	36	1	36	51	6.98	+2.94	2.72	0	10	6	10	14	se.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	69	56.8	+4.5	86	13	38	2	27	69	2.83	−0.16	0.83	0	12	7	8	15	s.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**57.4**	**+4.2**	**90**	**12†**	**30**	**1**	**46**	..	**3.47**	**+0.08**	**3.35**	**0**	**10**	**10**	**9**	**11**	**se.**	
Southwestern Division																					
Anderson (near)‡‡‡	McDonald	1,000	37	60.7	+4.0	83	12	35	9	39	42	11.01	+6.32	6.96	0	10	9	16	5	se.	E. S. Taylor
Appleton City	St. Clair	813	46	60.2	+4.1	88	12	40	1†	40	49	5.10	+0.97	1.68	0	12	10	3	17	se.	Rolla Brown
Bolivar	Polk	1,071	38	60.6	+4.3	85	12†	39	5	35	46	7.82	+3.65	3.07	0	10	10	11	9	s.	Southwest Baptist College
Boonville	Cooper	650	3	56.7	......	85	13	36	10	36	64	2.69	−1.18	0.78	0	8	10	10	10	se.	Boonville Water Dept.
Carthage	Jasper	962	7	61.2	......	85	12	37	1	43	17	7.74	......	2.66	0	12	19	8	3	sw.	Carthage W. and E. Plant
Clinton	Henry	786	48	59.7	+3.4	87	12	39	1†	40	54	4.52	+0.35	1.59	0	12	1	21	8	se.	U. S. Weather Bureau
Eldon	Miller	934	46	58.5¶	+3.1	87	13	36	6	..	42	6.78‖	+3.62	2.67¶	0	11	..	..	..	......	E. H. Shepherd
Harrisonville	Cass	904	63	57.6	+3.7	80	11†	37	24	35	66	2.61	−0.77	0.68	0	13	7	12	11	se.	John H. Patterson
Jefferson City	Cole	557	51	57.7	+1.7	86	13	33	6	45	59	6.26	+2.28	2.40	0	9	15	2	13	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	19	61.6	+3.1	84	12	41	5†	30	36	7.68	+2.98	2.53	0	10	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	10	58.6	+3.2	87	12	33	6	45	10	6.11	+3.13	3.13	0	10	..	..	..	s.	W. S. Frame
Lamar	Barton	980	53	59.8	+3.2	87	12	38	1†	46	60	9.40	+4.88	2.85	0	10	11	11	8	se.	Jesse A. Mann
Lebanon	Laclede	1,265	53	58.0	+2.5	84	12	37	5†	36	51	7.22	+2.87	2.37	0	8	11	7	12	se.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	56	58.8	+4.2	85	12	38	1	36	57	1.93	−1.87	0.35	0	11	10	14	6	e.	Miss Carrie Loomis
Lockwood	Dade	1,078	35	60.9	+4.4	86	12	40	1†	41	45	7.94	+3.41	2.95	0	11	11	16	3	sw.	Hubert A. Nieman
Marshall	Saline	779	54	58.2	+3.4	84	12	37	10	32	51	3.23	−0.66	0.64	0	11	18	6	6	ne.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	40	59.4	+4.5	82	12†	38	5	37	44	7.67	+3.15	3.48	0	13	8	18	4	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	29	62.0	+5.9	86	12	38	5†	41	41	9.35	+4.90	4.70	0	12	2	19	9	sw.	G. H. Boswell
Neosho	Newton	1,011	54	61.0	+2.7	86	12†	36	1	41	58	8.52	+3.96	2.90	0	11	11	10	9	e.	U. S. Fisheries Station
Nevada	Vernon	862	48	61.2	+5.5	87	12	39	20†	40	49	9.20	+4.91	4.18	0	12	16	5	9	se.	Henry Kraft
Ozark Beach	Taney	700	1	60.8	......	87	12	34	6	47	16	6.61‖	+2.14	3.34	0	7	12	2	16	......	V. Smith
Sedalia	Pettis	910	28	59.8	+4.5	88	12†	37	10	35	30	3.95	+0.22	1.25	0	13	13	8	9	ne.	Dr. J. E. Cannaday
Seligman	Barry	1,512	40	59.5^{a}	+2.9	84	12	38	20	37	38	8.52	+4.46	4.33	0	7	9^{a}	17^{a}	3^{a}	e.	Floyd E. Fawver
Seymour (near)	Webster	1,642	35	58.6	+2.9	83	12	35	6	38	35	8.44	+4.12	3.95	0	11	13	7	10	se.	A. L. Hailey
Springfield	Greene	1,301	53	59.2	+3.2	84	12	38	5	33	53	7.57	+3.71	3.69	0	11	3	12	15	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	0	58.8	......	86	12	35	1†	34	0	2.67	......	0.52	0	12	16	4	10	s.	H. F. Nelson
Warrensburg	Johnson	878	54	59.4	+3.3	85	12	37	1	38	61	3.63	−0.03	1.05	0	12	11	5	14	e.	E. A. Markey
Warsaw	Benton	687	40	60.6	+3.9	86	12†	38	1	39	46	5.94	+1.48	2.01	0	11	3	22	5	e.	Everett Martin
Division means	**and extremes**	.....	..	**59.6**	**+3.6**	**88**	**12†**	**33**	**6**	**47**	..	**6.20**	**+2.10**	**6.96**	**0**	**11**	**10**	**11**	**9**	**se.**	
Southeastern Division																					
Advance	Stoddard	354	4	60.2	......	86	12	35	6	38	4	2.62	......	0.92	0	11	10	9	11	ne.	U. S. Weather Bureau
Arcadia	Iron	926	60	58.2	+2.9	87	12	32	6	45	63	3.28	−1.54	0.95	0	9	12	9	9	......	Arcadia College
Birch Tree (near)	Shannon	1,000	46	59.6	+2.5	85	12	35	6	37	47	2.18	−2.58	0.76	0	8	18	6	6	s.	V. H. Kirkendall
Campbell	Dunklin	314	15	64.8	+6.1	89	12	41	1	37	15	2.28	−1.98	0.71	0	9	14	13	3	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	45	63.2	+3.0	88	12	42	6	38	49	3.34	−1.18	1.55	0	11	15	4	11	e.	Victor T. Malloure
Crystal City	Jefferson	420	7	58.4	......	88	12†	32	6	40	7	3.93	......	1.14	0	10	6	7	17	e.	Frank Magre
Doniphan	Ripley	344	37	61.6	+3.1	88	12	35	1†	44	37	2.59	−2.34	1.44	0	7	20	1	9	sw.	Boyce Lackey
Farmington	St. Francois	896	30	60.6	+3.7	88	12	34	6	38	41	3.20	−1.32	0.70	0	10	11	5	14	sw.	F. M. Karsch
Goodland	Iron	1,000	48	57.6	+2.6	85	12†	30	6	43	48	6.85	+1.96	2.40	0	8	13	11	6	s.	F. M. Adams
Greenville	Wayne	381	32	61.2	+4.6	88	12	34	6	46	34	2.04	−2.66	0.90	0	6	10	10	10	nw.	Beuford Shoemake
Jackson	Cape Girardeau	428	50	60.8	+3.7	85	12	35	1†	36	51	3.35	−0.99	0.94	0	8	17	8	5	s.	L. R. Crites
Koshkonong	Oregon	958	40	61.6^{a}	+3.1	84	12†	41	5†	31	41	2.16	−2.86	0.78	0	9	9	6	15	se.	R. M. Hitt
Licking (near)	Texas	1,170	4	59.3	......	86	12	29	2	45	4	6.72	......	2.36	0	12	15	1	14	se.	U. S. Forestry Service
Marble Hill	Bollinger	470	46	61.1	+3.9	87	12	35	6	42	48	3.13	−1.36	1.39	0	6	16	9	5	sw	R. A. DeWitt
Poplar Bluff	Butler	339	36	64.2	+4.7	89	12	40	6	36	37	2.54	−1.97	1.20	0	8	14	11	5	se.	B. R. Wheetley
Rolla	Phelps	1,202	41	59.2	+3.3	86	13	39	5	33	57	6.61	+2.39	3.15	0	12	5	13	12	se.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	104	60.6	+4.5	87	13	39	1	28	104	4.47	+0.66	1.47	0	12	8	8	14	s.	**Section Center**
St. Louis Airport	St. Louis	556	4	58.8	......	89	13	38	1	32	10	5.45	......	1.65	0	9	8	6	16	se.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	29	60.4	+4.7	87	12†	40	1	27	29	3.33	−0.53	0.96	0	10	13	8	9	s.	St. Louis University
Salem	Dent	1,173	37	58.3	+2.3	84	13	34	1†	37	40	6.09	+1.59	2.20	0	12	12	10	8	s.	E. E. Martin
Sikeston	Scott	318	34	63.0	+4.9	90	12	39	1†	40	44	1.54	−3.08	0.45	0	9	9	20	1	e.	Mrs. Hazelle P. Young
Union	Franklin	520	3	58.8	......	89	12†	31	6	42	24	5.51	+1.15	2.76	0	12	15	2	13	n.	Robert Mueller
Wappapello Dam	Butler	475	2	62.4	......	87	12†	39	6	37	2	2.79	......	1.55	0	10	17	4	9	sw.	J. E. Harns
West Plains	Howell	1,005	4	58.8	......	84	12	35	6	39	4	3.14	......	1.81	0	10	4	10	16	se	U. S. Weather Bureau
Willow Springs	Howell	1,238	0	59.6	......	86	12	31	6	43	31	3.29	−1.55	0.77	0	11	18	4	8	s.	G. W. Yarnell
Cairo, Ill.	Alexander, Ill.	315	69	62.8	+4.7	87	12	42	6	32	70	2.06	−1.66	1.07	0	10	4	12	14	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**60.5**	**+3.8**	**90**	**12**	**29**	**2**	**46**	..	**3.81**	**−0.54**	**3.15**	**0**	**10**	**12**	**8**	**10**	**s.**	
State means	**and extremes**	.....	..	**59.2**	**+4.0**	**90**	**12†**	**29**	**2**	**47**	..	**4.49**	**+0.54**	**6.96**	**0**	**10**	**11**	**9**	**10**	**se.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 85-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for April 1941

Stations	Drainage basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Northern Division																																	
Amity[2]	Grand		T.	.13	.03	T.		.02	.05	.49	T.	T.			.04	T.	T.	T.	2.47	.08	T.										.08		3.39
Bethany	do		T.	.26					.95	.02									.98	.11											.10		2.42
Bowling Green[2]	Mississippi			.10	.50	.40				.03						.23	.55	.28		3.35													5.44
Brunswick[2]	Grand			.30		T.				.88					.20	.22	.35	.07	.12	.40	.30				T.								2.84
Canton, Lock No. 20[2]	Mississippi	.01		.06	.53	.50				.23		T.			T.	.17	.26	.05	1.06	.13	.57	T.											3.57
Centralia[2]	do		.02		.25	.10				.20					.33		.80			.62	.55												2.87
Chillicothe[2] (A)	Grand		.01	.09	T.	T.				.70					.41	.06	.02		1.34	.21	T.										T.		2.84
Clifton Hill	Chariton		.10	.21		.10			.44	.13				.02	.30	.50	.05		.15	.57											.03		2.60
Columbia[1]‡	Missouri		.10	.22	.10	T.		T.	.25	T.	T.			T.	.57	.58	.24		.35	1.48											.05		3.94
Conception	do		T.	.07				.14	.22	.91	T.			.20			.07		.52	.33											.23		2.69
Edgerton	Missouri			.20		T.		.09	.27	.04	.05			.40	.25	.05		.07	.07	.20	.02									.11	T.		1.82
Edina[2]	Mississippi			.02	.38	.14				T	T.				T.	.04	.29	T.	.88	.10	.37												2.22
Elsberry	do		.08	.70	.40										.20	.55	.21	.24	.06	2.25													4.69
Farber[2]	do				.46	.35										.75			2.40	1.60													5.56
Fayette	Missouri		.13	.07	.15				.65	.12	.01				.47	.41	.20		.09	.60				T.							.08		2.98
Fulton[2]	do		.09	.06	.48	.05				.11	.02					.40	.98	.03	T.	2.90													5.12
Gallatin[2]	Grand		T.	.60						.70				.27	.05	T.			.85	.01													2.48
Gorin	Mississippi		T.	.48	.21				T	.12					.11		.41		1.06	.34	T.										T.		2.73
Grant City	Grand			T.				.21	.98	.22	.11			.12					.23	.45											.18		2.50
Hannibal[3] (A)	Mississippi		.03	.45	.39				.03	T.					.26	.63	.12	.19	.38	1.41											.01		3.90
Hermann[2]	Missouri			.12	.77	.03				.23						.35	1.08		2.97	1.80	.40												7.75
Kahoka[2]	Mississippi		T.		.30	.35				.28	T.				T.	.28			1.05	.60													2.86
Kansas City Airport[1]‡	Missouri		.41	1.32	.01		.02	.18	.36	.06	T.			.72	.25	.11	.03	.02		.37	T.			T.						.11	.06		4.03
Kansas City University	do		.10	.36	1.35	.10		.37	.28	.36	.08			.22	.65	.05	.10			.37										.12	.07		4.58
Kidder[2]	Grand			.56	.02					.91		.03			.32		.04	.01	1.62	.05													3.56
King City	Missouri			.03	T.				.15	.30	T.			.22					1.81	.10											.85		3.46
Kirksville	Mississippi		.05	.56	.01					.10				T.	.24	T.	.06		1.07	.26											T.		2.38
LaBelle[2]	do				.51	.24									.03	.07	.31		.94	.04	.56												2.70
Lawson	Missouri		.05	.91	.01	T.		.08	.34	.03	T.			.33	.55	.03	.04	T.		.18				T.						.02	.07		2.64
Linneus[2]	Grand			.29		.02	T.			.39		.04			.23	.01	.01		2.19	.02	.33												3.56
Louisiana (A)	Mississippi			.40	.90										.20	.15	.35	.10	.10	2.55											.07		4.82
Lucerne[2]	Grand			T.	.01					.13	.01	.02			.08				.65		.16												1.06
Macon[2]	Chariton			.09	.25	.04				.09	T.				.04	.16	.24	.03	.54	.22	.36												2.06
Madison[2]	Mississippi			.03	.39	.11			T.						.02	.23	.54		.25	.27	.58												2.42
Maryville	Missouri			.40	.03			.46	.39	.39	.03			.45			.08	T.	.24	.32											.16		2.95
Memphis[2]	Mississippi			.08	.44	.17				.18	.01				T.		.20	T.	.77	.10	.24												2.19
Mexico[2]	do			.10	.62	.15	.04			.20						.65	1.00	.02	.03	1.70	1.05										.10		5.66
Milan[2]	Grand			.08	.07					.25	.05	.07			.31	.04			1.14	.18	.15												2.34
Moberly	Mississippi																																
Monroe City	do				.32	.63				.03	T.			T.	.36	.46	.20		.38	.91													3.32
Oregon	Missouri				.02			.78	.23	.04	T.			.42				1.00	.80	.35											.40		4.04
Palmyra[2]	Mississippi	T		.07	.34	.38				.05				T.		.40	.75	.07	.25	.50	.65												3.46
Paris[2]	do			T.	.42	.05				T.					.01	.24	.88	.05	.26	.35	.53												2.79
Perry[2]	do			.05	.50	.25										.40	1.05	.10	.10	.80	.90												4.15
Philadelphia[2]	do		.03	.18	.65				T.						.34	.67	.80		.15	1.09													3.91
Platte City[2]	Missouri		.08	.25	.18			.19	.24	.18	.11	.02			.93	.04	.03			.23											.18		2.66
St. Charles[2]	do	.06		.25	.67	.15	.01			T						.16	.63		1.28	2.20	.35												5.76
St. Joseph[1]‡	do		.06	.01	.02		.10	.21	.11	.07	T.			.38		T.	.01	2.38	.89	.26										.03	.51		5.04
Saverton, Lock No. 22[2]	Mississippi				.45	.43				T.	T.				T.	.19	.47	.05	1.43	1.26	1.02												5.30
Shelbina	do		.02	.40	.12	.01			.04						.23	.29	.36	*	.36	.65													2.51
Shelbyville[2]	do				.44	.27				.12					.10	.14	.35		.77	.55													2.74
Steffenville[2]	do		.05	.05	.55	.40					.05				.15		.33	.34		.15	.51												2.58
Tarkio	Missouri				T.			.42	.50					.25				.51		.30											.71		2.69
Trenton	Grand		T.	.06	T.				.55	.04				.05	.32	.04		.87		.13											.02		2.08
Troy[2]	Mississippi	.10		.11	.90	.25				.02						.36	.70		.67	2.05	.80												5.96
Unionville[2]	Chariton			.07	.12	.03				.18	.05				T.	.12			.55		.20												1.32
Warrenton	Mississippi		.15	.65	.35	T.			.11						.06	.77	.27	1.80	.10	2.72													6.98
Keokuk, Iowa[1]‡	do		.08	.39	.35				.12	.03				T.	.31	.09	.01	.20	.65	.58	.02										T.		2.83
Southwestern Division																																	
Altona[2]	Osage			.25	.18	T.			.53	.60		.10			.34	.43	.85			.65											T.		3.93
Anderson (near)	Neosho	T.	.04		T.		.44	.05	.34							*	2.60	.14	.60	6.48				T.						T.	.32		11.01
Appleton City	Osage		.27		.01			.04	.40		.07			.15	.80	1.25	.41		.05	1.63										T.	.02		5.10
Bloodland[2]	Gasconade		.09	.04	.36	.01				.14	.04	T.				.90	2.20	.04	T.	3.29	.42				T.	T.					T.		7.53
Bolivar	Osage		.20		T.	T.		T.	.15		.01				.89	2.44	.67	.29	.43	2.64											.10		7.82
Boonville[2] (A)	Missouri		.06		.03					.53				.07		.44	.78			.66	.12												2.69
Buffalo[2]	Osage		.16		.12					.12						1.53	2.01	.16		3.59	.32										.13		8.14
Butler[2]	do		.17	.02	T.			.21	.23						.26	.50	1.30		.02	1.10											.28		4.09
Caplinger Mills	do		.22		T.		T.	T.	.69	T.				.05	2.32	2.69	.29		1.29					T.						T.			7.55
Carthage	Neosho		.23		T.			.61	.07					.15	.97	1.91	.92		.66	2.00				.02						.18	.02		7.74
Clinton[4]	Osage		.13	.05	.02			T.	.28		.20			.10	.80	1.02	.19		.01	1.58											.14		4.52
Concordia[2]	Missouri																																
Crocker[2]	Osage		.07	.47	.32	.09		.02			.08					1.08	1.86	.03	T.	2.06	.10										.18		‖6.36
Eldon[2]	Missouri	.07	.10	.13	.11					.05		.04				.92	2.06	.04		2.67	.59										T		‖6.78
Galena[2]	White		.13	.01		T.		.04	.01							.79	3.97	.13	.06	1.82	1.00									.04			8.00
Hailey	do							.37	.21						.56	.57	3.94	.09	.39	1.98								.13					8.24
Harrisonville[2]	Osage		.25	.05				.03	.21	.37	.05	.09			.45	.31	.09	.01		.68											.02		2.61
Higginsville[2]	Missouri		.09	.04	.70	.02		.01		.36	.10				.17	.24	.39		T.	.45											.05		2.62
Jefferson City[2]	do		.06	.08	.55					.31	.08					.45	1.28			2.40	1.05												6.26
Joplin[3]	Neosho	.19						.68	.08				.16	T.	.96	2.53		T.	1.86	.70				.46						.06	T.		7.68
Lakeside[2]	Osage	T.	.16		.04	.01		T.		.15		.02				.86	1.72	.02		2.86	.27												6.11
Lamar[2]	Neosho		.25					.90	.25	.10					T.	2.75	2.15			2.60	.25			.05							.10		9.40
Lebanon	Osage		.28		.48					.27						1.49	1.86	.13		2.37	.34				T.								7.22
Lexington[2]	Missouri		.15	.02	.33					.35	.07	T.			.15	.24	.25		.04	.31											.02		1.93
Lockwood	Osage		.10		.02			.28	.09						1.33	2.16	.88		.55	2.40				.10						T.	.03		7.94
Manes[2]	Gasconade		.18		.45	T.			.04	.42	.01					.36	2.45	1.06	.21	2.79	.17			.02		T.					.01		8.17
Marshall	Missouri		.14	.09	.35				.15	.64				.11	.29	.53	.05			.57											.31		3.23
Mountain Grove	White		.16	.12	.06	.02		.12	.21						.41	.71	3.48	.63	.31	1.32											.12		7.67
Mount Vernon	Neosho		.25		.03			.35	.12						.62	1.00	1.45	.10	.50	4.70			.05		T.						.18		9.35
Neosho	do		.31		T.			.56	.12						.86	1.11	1.65	.08	.67	2.90				.09							.17		8.52
Nevada	Osage		.31		.01			.76	.50		.02			.13	.95	4.18	.37		*	1.70				T.						.06	.21		9.20
Osceola[2]	do		.25						.62		.04				.11	1.45		1.70	.12	2.65													6.94
Ozark Beach[2]	White							.34	.19							.39	1.87		.48	3.03	.31												‖6.61
Pleasant Hill[2]	Osage		.25	.05	.10	T.		.01	.11	.52	T.	.08			.40	.24	.11	.02		.51	.04			T.							T.		2.44
St. Thomas (near)[2]	do		.32		.12					.25						1.06	1.50			2.76	.46												6.47
Sedalia	Missouri		.17	.13	.10			.11	.04	.14	.05			.03	.57	.61	.37			1.25											.38		3.95
Seligman	Neosho				T.			.66	.21					T.	.67	.55	3.78	T.	.28	2.37				T.									8.52
Seymour (near)	White		.18	.16	.14				.15						.35	.50	2.19	.42	.22	3.95											.18		8.44
Springfield[1]‡	do		.13	T.	.01	T.		T.	.02		T.			T.	.70	1.72	.61	.61	2.13	1.56				.03	T.						.05		7.57
Stover[2]	Missouri		.35		.17					.10						.77	1.64			2.64	.19												5.86

Continued on next page

Daily Precipitation for April 1941—Continued from preceding page

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Southwestern Division—	*Concluded*																																
Sweet Springs	Missouri		.19	.24	.34			T.	.02	.16	T.			.07	.44	.48	.01			.52				.01							.19		2.67
Warrensburg	....do		.30	1.05	.41			T.	.09	.08	T.			.10	.41	.48	.01			.68				.01							.01		3.63
Warsaw (A)	Osage		.28		.07	T.		T.	.08		.12			T.	.89	1.87	.18	.04	.17	2.01				T.							.23		5.94
Wasola	White		.14	.95	.09			.08							.35	1.43	.18		.42					.03							.28		‖3.95
Waverly[2]	Missouri		.10	.40	.30					.30					.25	.20	.32	.03	.02	.25	.28												2.45
Southeastern Division																																	
Advance[4]	St. Francis		.38	.92	.01	T.			.29	.01	.01					.13	.13	T.		.72				.01	.01								2.62
Alton (near)	Black			1.65	.93											.27	.05		.07												.09		3.06
Annapolis	St. Francis		.08	1.24	.38				.10	.15						.37	.58	.08	.02	.44													3.44
Arcadia[2]	....do	T.	T.	.28	.95	T.		T.		.21						.15	.71	.41	.06	.19	.32				T.								3.28
Belleview	Meramec			1.04	.60				.10							.90	.70	1.70	.50														5.54
Birch Tree (near)	Black		.07	.34	.76											.55	.15		.03	.13											.15		2.18
Bragg City[2]	St. Francis			.24	.52			.68					.46								.96	.63											3.49
Campbell	....do			.71	.13				.04							.10	.02	.17		.53	.45			.13									2.28
Cape Girardeau[2]	Mississippi	.02		.22	.57					1.10							.20	.33	.02		.58			.01	T.								3.05
Caruthersville[2]	....do	.23		.10	.26	.07				.23						.10	.35		.05		1.55			.30	.10								3.34
Centerville[2]	Black		.04	.60	1.37					.15						.16	1.11	.23	T.	.52	.04												4.22
Crystal City	Mississippi		.06	.71	.22	.03				.15						.85	.64	.09	.04	1.14													3.93
Cuba[2]	Meramec				1.10						.23					.35	2.21	.19	.16	3.14													7.38
Dexter[2]	St. Francis	.07		.37	.69					.34		.02					.27		.09		.81												2.66
Doniphan	Black		.04	1.40	.45				.20							.25	.04	T.	T.	.21											T.		2.59
Farmington	St. Francis		.03	.70	.27				.06	.36	.02					.70	.30	.23		.53													3.20
Fisk[2]	....do	T.	T.	1.23	.27					1.07	T.	.04					.24	T.	.03		.74			T.									3.62
Fredericktown[2]	....do	.07		.43	.52					.34							.85	.21	.03	.30	.12												2.37
Gerald[2]	Meramec			.14	1.08				.32							.62	1.09	.73	2.00	.36													6.34
Goodland	Black		.13	1.17	.45					.22						.69	.75	2.40		1.04													6.85
Greenville	St. Francis		.08	.75	T.				T.							.14	.90	.12		.05													2.04
Jackson	Mississippi			.94	.31				.24	.85						.16	.38	.12		.35													3.35
Jerome[2]	Gasconade			1.00	.20	.26										.53	2.20			2.05	.40												6.64
Koshkonong	Black		.03	.78	.48											.43	.06		*	.08				.07							.23		2.16
Leeper[2]	....do	T.		1.12	.79					.10	T.	T.				T.	.30	.30	T.	T.	.10			T.					T.				2.71
Licking (near)	Gasconade		.12	.10	.33	T.			.01		.02				.13	1.25	1.47	.64	.04	2.36											.25		6.72
Marble Hill	Mississippi		.05	1.34	.61						.00						.31	.12															3.13
Meramec Park[2]	Meramec			.60	.84					.18						.42	1.32		.23	2.57	.04												6.20
Morehouse	Mississippi		T.	.55	.06				.15		T.					.10	T.	.17		.33	.54												1.90
New Madrid[2]	....do	.29		.18	.51	T.	T.			.41						.04	.21	T.	.21		1.26			.07	.11								3.29
Owensville[2]	Gasconade		T.	.86											.68	.94			.70	1.30													4.48
Pacific[2]	Meramec	T.	T.	.15	1.15	.10		T.	T.	T.					T.	.25	.78	.05	.40	2.15	.64												5.67
Parma[2]	St. Francis	.21		.37	.17				T.	.35						.03	.05		.09	.15	.39			.09									1.90
Perryville[2]	Mississippi	.05		90	1.00					.30						T.	.37	.05	.20	.02				.05									2.94
Poplar Bluff[2] (A)	Black	.05		1.20	.47					.13							.24		.14		.28			.03									2.54
Richwoods[2]	Meramec			.39	.81					.35						.06	1.09	T.	.26	2.40													5.36
Rolla[4]	....do		.11	.37	.01	T			.35	T.	T.				.14	1.76	.50	.05	1.09	2.07				.01							.15		6.61
St. Louis:																																	
City Office[1]‡	Mississippi		.21	.68	.32	.01			.18	T.				T.	.06	.92	.39	.22	.22	1.25											.01		4.47
Airport[4]‡	Missouri		.24	.68	.45	T.			.11	T.				T.	T.	.81	.13	1.31	.04	1.65											T.		5.45
St. Louis Univ.[3]‡	Mississippi		.16	.55	.25				.30						.06	.72	.24	.17	.03	.85													3.33
Washington Univ.[2]‡	....do	.09		.39	.77	.16				.06						.27	1.14	.10	.62	1.38	.15												5.13
Salem	Meramec		.11	.19	.61	T.			.22						*	.53	2.20	.83	.05	.89	.28				T.						.15		6.09
Sikeston[2]	Mississippi	.07		.45	.30					.08							.16	T	.04	.01	.41			.02									1.54
Union	Meramec		.14	.75	.11	.01			.25	.05					.09	.88	.35	.12		2.71	.05												5.51
Valley Park[2]	....do	T.		.34	.72	.16	T.			T.	T.					.03	1.09	T.	.83	1.58	.50												5.25
Van Buren	Black		.06	1.17	.61				.05							.15	.51			.31													2.86
Wappapello Dam[2]	St. Francis	.01	.01	1.55	.22					.31	.02						.20	.34	T.		.10			.03		T.							2.79
Weingarten[2]	Mississippi			.40	.10				.20							*	.75	.16			.15												1.76
West Plains[4]	Black		.18	1.81	T.			.08	T.						.12	.27	.12	T.	.22	.14				.04	T.						.16		3.14
Williamsville[2]	....do	.03		.84	.92					.17	.02						.19	.07	.07		.10			.04									2.45
Willow Sprgs. (near)[2]	White		.10	.20	.19			.09							.16	.62	.77	.29	18	.43											.26		3.29
Zalma (near)	Mississippi		.07	1.54	.30			T.	.01	.76	.01					.16	.27	*	.34	.03	.16			.03									3.68
Cairo, Ill.[1]‡	....do		.18	.49	.11	.01			T.	.05						.06	.05	.01	T.	1.07				.03		T.							2.06

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking (near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour (near), Steffenville, Tarkio, Wappapello Dam, Warsaw, and Washington University (St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for April 1941

(See precipitation data in daily precipitation table)

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Monthly
Lakeside (Osage Dam)	Evaporation	.150	.183	.180	.067	.036	.050	.250	.144	.093	.091	.028	.280	.418	.381	.048	.040	.152	.196		.246	.165	.200	.162	.158	.200	.224	.221	.255	.275	.221		5.290
	Mean temperature	54	57	56	46	47	56	53	58	54	52	64	70	72	72	60	65	66	70	66	54	53	56	54	55	56	58	51	61	65	60		58.6
	Wind movement	26	65	91	60	59	37	81	46	58	55	17	56	89	76	50	53	46	62	96	142	76	50	25	61	41	29	31	17	48	42		1,685
St. Louis (Washington University)	Evaporation	.038	.047	.001	.008	.016	.038	.103	.089	.036	.102	.114	.186	.280	.352	.153	.019	.149	.161	.162	.166	.149	.208	.137	.194	.180	.166	.151	.179	.201	.212		4.027
	Mean temperature	48	46	50	50	47	53	55	58	58	58	65	72	76	74	61	68	68	72	67	54	52	54	58	52	53	56	59	63	66	65		59.2
	Wind movement	30	61	67	37	41	30	45	55	27	29	33	39	56	93	50	70	31	40	59	102	37	58	23	95	59	37	27	9	22	25		1,387

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for April 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§........	Maximum...	63	66	55	46	57	74	70	72	52	67	84	85	86	73	61	70	82	76	77	63	61	69	61	63	69	73	79	79	80	67	..	69.4
	Minimum ...	35	35	45	43	40	39	39	50	49	39	38	51	60	60	49	49	51	54	57	43	42	39	39	39	38	38	40	48	52	54	..	45.3
Chillicothe §§........	Maximum...	62	63	55	45	54	74	70	70	51	65	81	84	80	69	57	72	82	76	75	62	60	70	63	63	68	72	77	79	80	70	..	68.3
	Minimum ...	36	42	45	42	39	38	41	51	48	37	42	58	61	59	45	48	51	55	57	42	41	38	48	36	36	40	44	51	55	55	..	46.0
Columbia	Maximum...	64	65	53	47	47	73	66	71	53	68	81	86	87	77	62	72	81	76	77	64	61	69	63	61	65	71	76	79	80	69	..	68.9
	Minimum ...	38	46	47	41	41	40	52	50	46	39	54	65	65	57	57	55	58	61	48	43	43	43	47	41	41	44	48	53	57	57	..	49.2
Fayette.............	Maximum...	63	65	58	52	53	70	68	69	51	65	81	84	85	75	60	68	81	76	76	62	59	67	61	60	65	70	71	76	79	67	..	68.2
	Minimum ...	35	41	48	41	39	35	48	47	42	35	51	56	62	58	52	51	63	55	56	42	41	38	46	37	38	41	44	48	52	55	..	46.8
Grant City	Maximum...	63	56	54	46	57	71	68	67	53	60	76	81	78	69	60	71	78	75	68	68	60	70	60	61	68	71	77	77	78	70	..	67.1
	Minimum ...	30	43	45	38	37	40	48	50	46	43	52	56	59	59	40	47	49	53	45	32	42	37	45	35	37	41	48	51	56	58	..	45.4
Hannibal	Maximum...	56	54	51	47	57	63	61	66	55	63	81	85	87	81	65	70	80	77	77	62	59	65	64	60	63	70	75	75	81	81	..	67.7
	Minimum ...	40	40	43	41	41	41	47	47	47	46	49	60	66	57	51	51	53	56	48	42	42	39	46	38	41	45	48	52	55	47	..	47.4
Kansas City Airport.	Maximum...	69	71	62	48	55	74	66	58	57	67	79	83	81	66	61	70	80	75	70	62	60	72	61	62	70	75	78	78	78	75	..	68.9
	Minimum ...	41	48	47	41	39	45	52	50	46	42	59	66	61	61	50	60	56	58	43	42	43	43	47	40	41	45	50	51	60	60	..	49.2
Kirksville	Maximum...	62	51	52	45	60	65	65	65	61	66	81	82	85	79	62	72	82	75	71	65	60	66	60	60	67	71	76	79	80	76	..	68.1
	Minimum ...	35	39	45	40	39	49	46	47	47	46	50	55	61	60	46	50	46	55	55	40	40	37	47	35	39	40	45	47	52	53	..	46.3
Lawson	Maximum...	65	68	60	50	53	69	68	64	53	63	77	82	80	66	62	70	78	74	72	59	56	68	61	59	66	71	76	76	78	71	..	67.2
	Minimum ...	36	45	47	40	37	40	50	50	45	39	50	59	59	58	46	49	52	59	49	40	40	42	50	37	40	44	48	49	55	61	..	47.2
Louisiana	Maximum...	57	52	46	46	58	64	65	67	65	67	75	90	88	80	70	70	70	75	80	75	63	67	68	63	67	71	74	77	81	80	..	69.0
	Minimum ...	40	42	40	43	37	42	48	48	47	48	47	53	57	57	56	50	48	60	63	50	40	32	45	46	32	34	40	42	47	54	..	46.3
Macon§§.............	Maximum...	58	57	53	45	59	68	66	65	51	71	82	85	87	75	62	72	82	74	75	63	61	68	63	61	66	72	77	77	81	75	..	68.4
	Minimum ...	36	40	41	40	39	35	46	47	40	46	49	56	62	58	47	50	46	54	56	40	40	36	46	36	36	37	44	41	52	55	..	45.1
Maryville	Maximum...	63	59	53	48	53	69	66	63	55	62	75	81	81	68	65	68	78	75	70	59	57	68	64	61	67	69	75	75	78	71	..	66.5
	Minimum ...	36	43	46	39	36	41	49	50	46	37	53	56	60	60	40	46	51	53	46	38	35	40	46	36	38	43	49	52	57	52	..	45.8
Mexico §§...........	Maximum...	62	63	52	45	55	70	67	70	54	74	81	89	88	81	62	72	83	77	78	63	60	69	63	60	65	72	75	79	82	75	..	69.6
	Minimum ...	36	38	42	40	40	33	44	46	48	43	43	52	60	64	56	55	55	56	57	42	43	40	41	38	36	37	45	44	50	51	..	46.0
Moberly	Maximum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Oregon	Maximum...	68	64	60	52	51	74	67	61	54	68	77	82	78	69	66	70	82	75	71	61	58	70	66	63	70	74	78	78	80	72	..	68.7
	Minimum ...	38	45	47	38	36	42	50	50	45	37	55	60	59	60	43	46	52	55	43	39	37	42	47	37	41	45	52	52	58	57	..	47.0
St. Charles §§........	Maximum...	58	53	50	51	54	66	63	67	63	71	82	89	89	82	64	80	77	82	80	66	65	67	70	62	62	72	78	78	82	77	..	70.0
	Minimum ...	38	41	46	46	43	40	49	50	50	44	54	60	60	62	58	58	57	60	59	45	45	42	48	50	41	40	41	50	50	55	..	49.5
St. Joseph	Maximum...	66	67	60	45	56	73	64	60	50	68	78	81	79	68	56	70	79	75	66	60	58	69	62	62	68	72	78	77	78	69	..	67.1
	Minimum ...	39	47	45	40	38	44	52	49	44	38	55	61	60	52	46	48	51	53	40	41	41	45	47	39	44	49	52	53	60	60	..	47.9
Trenton	Maximum...	63	58	51	48	60	71	69	67	58	63	79	83	85	76	61	74	82	76	74	62	61	70	65	65	69	72	77	78	79	71	..	69.0
	Minimum ...	37	43	47	40	39	40	44	50	47	42	45	56	55	59	50	48	46	55	54	41	40	35	40	35	37	40	46	47	52	55	..	45.5
Unionville §§........	Maximum...	60	50	52	43	63	67	67	73	55	72	82	85	87	75	59	80	85	75	75	62	61	68	62	63	72	76	80	87	82	80	..	69.9
	Minimum ...	35	36	39	38	37	32	40	46	46	45	46	52	59	57	40	45	45	50	55	38	37	33	42	34	36	40	42	47	52	54	..	43.3
Warrenton	Maximum...	62	55	53	48	55	68	66	65	58	71	85	87	88	83	62	75	78	80	78	76	63	67	68	60	65	72	75	79	83	78	..	70.1
	Minimum ...	36	41	46	45	41	38	48	47	47	45	49	58	64	61	56	56	57	59	58	43	45	40	50	40	39	45	45	50	51	57	..	48.6
Keokuk, Iowa.......	Maximum...	55	48	49	47	56	59	60	67	58	66	77	83	86	80	62	69	74	76	74	61	57	61	58	55	61	69	74	76	78	79	..	65.8
	Minimum ...	41	38	43	43	42	39	46	47	48	45	50	61	66	60	50	52	50	56	49	42	42	42	46	40	41	44	48	50	56	60	..	47.9
Southwestern Division																																	
Clinton.............	Maximum...	75	71	73	50	57	80	74	61	65	72	84	87	85	73	60	70	81	75	74	64	63	72	63	64	67	74	77	77	81	74	..	71.4
	Minimum ...	39	47	49	41	40	40	52	50	44	42	53	63	61	58	53	54	54	59	43	41	39	42	46	40	41	42	47	48	54	57	..	48.0
Eldon§§	Maximum...	66	70	59	46	53	76	68	72	..	61	84	86	87	78	62	75	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum ...	39	39	45	45	40	36	42	46	46	..	44	48	59	59	55	56	56	61	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Harrisonville§§	Maximum...	65	65	63	43	55	74	70	56	61	68	80	80	80	67	56	68	77	72	72	58	62	65	62	60	61	75	75	75	77	71	..	67.1
	Minimum ...	40	43	43	42	38	39	51	52	44	44	48	57	62	57	50	50	51	62	58	39	39	41	51	37	41	46	50	51	56	57	..	48.0
Jefferson City §§.....	Maximum...	65	70	52	45	57	74	67	69	59	69	84	85	86	80	62	75	80	78	77	62	62	68	68	62	68	72	76	78	80	67	..	69.9
	Minimum ...	37	39	43	42	38	33	35	46	47	36	39	51	60	61	54	53	53	58	54	40	41	39	44	39	38	39	44	47	56	55	..	45.5
Joplin	Maximum...	79	74	67	47	59	79	68	62	68	79	81	84	80	74	67	73	80	70	70	60	62	66	61	63	66	72	74	74	74	75	..	70.4
	Minimum ...	49	54	46	43	41	49	55	51	44	51	59	65	68	60	60	57	66	62	44	41	45	49	52	48	45	48	56	54	60	59	..	52.8
Lamar§§.............	Maximum...	84	79	75	48	58	85	72	63	69	83	84	87	83	69	61	75	81	72	73	64	66	69	67	67	70	73	75	78	78	75	..	72.8
	Minimum ...	38	42	49	40	39	39	49	51	40	40	49	53	60	59	55	53	53	58	56	38	39	39	46	43	41	42	44	48	49	56	..	46.9
Lebanon	Maximum...	75	67	69	45	55	73	71	65	64	71	82	84	83	75	64	77	77	74	75	61	64	66	65	62	67	74	76	76	78	65	..	70.0
	Minimum ...	40	41	45	41	37	37	42	45	41	41	46	54	60	62	54	53	55	60	53	40	39	41	45	43	38	39	44	45	50	53	..	46.1
Lexington§§.........	Maximum...	69	72	63	45	54	74	72	69	50	64	81	85	82	67	58	70	81	75	74	64	63	73	57	65	70	75	80	80	81	71	..	69.5
	Minimum ...	38	42	46	41	39	40	48	52	47	42	45	58	64	59	49	50	51	60	57	42	42	42	48	39	42	44	48	51	54	59	..	48.0
Marshall	Maximum...	70	70	69	53	52	72	69	67	59	63	81	84	83	75	62	67	81	79	69	60	58	70	68	64	65	69	68	75	75	69	..	68.9
	Minimum ...	38	45	45	41	39	40	40	50	45	37	52	59	64	59	50	51	54	59	58	41	45	41	50	40	40	46	47	48	49	54	..	47.6
Mountain Grove	Maximum...	76	70	67	57	56	72	68	65	66	73	80	82	82	75	62	75	75	73	74	72	72	63	68	63	70	71	74	72	74	71	..	70.6
	Minimum ...	39	45	49	40	38	39	51	48	43	44	52	57	58	55	54	52	58	57	56	40	41	42	47	48	41	44	49	48	54	54	..	48.1
Neosho	Maximum...	77	75	70	65	60	78	74	65	69	78	81	86	86	79	70	78	80	80	68	62	64	65	65	68	68	71	74	74	74	74	..	72.6
	Minimum ...	36	52	53	40	41	43	52	54	38	42	50	55	61	65	58	55	60	60	58	40	42	47	52	49	41	41	49	42	54	54	..	49.5
Nevada	Maximum...	80	77	73	62	61	83	74	63	67	80	83	87	82	70	63	74	81	80	72	64	66	72	64	67	69	76	78	79	80	77	..	73.4
	Minimum ...	40	49	52	42	40	43	51	51	41	46	55	58	59	56	54	52	57	57	55	39	41	45	51	41	39	43	48	49	55	55	..	48.8
Sedalia..............	Maximum...	70	70	64	55	52	76	74	70	60	63	86	88	88	80	61	70	81	77	75	64	61	71	67	63	67	74	76	78	80	75	..	71.2
	Minimum ...	39	45	50	42	39	39	51	50	46	37	52	53	62	60	56	52	56	60	58	42	39	42	51	39	38	43	49	51	55	58	..	48.5
Springfield	Maximum...	74	66	72	45	54	75	69	63	65	77	81	84	83	72	66	75	77	69	74	59	63	64	65	60	66	71	73	74	76	67	..	69.3
	Minimum ...	43	48	44	41	38	42	54	48	44	41	53	59	62	56	57	55	59	58	44	41	42	44	48	47	43	46	49	50	55	57	..	49.0
Warrensburg........	Maximum...	72	73	64	57	52	75	71	67	56	65	81	85	84	71	62	67	81	76	74	63	64	72	69	65	70	74	78	79	80	71	..	70.6
	Minimum ...	37	46	48	41	39	41	51	51	45	43	43	63	62	59	51	51	54	58	54	41	38	42	50	39	40	44	49	50	57	57	..	48.1
Southeastern Division																																	
Arcadia §§..........	Maximum...	71	59	64	62	59	71	66	69	69	70	83	87	85	80	64	81	79	84	74	67	70	67	70	66	71	72	75	76	81	75	..	72.2
	Minimum ...	34	40	40	46	41	32	41	39	41	36	39	42	53	64	57	57	58	59	63	42	38	37	40	46	40	34	39	39	41	44	..	44.1
Birch Tree(near)....	Maximum...	75	65	65	55	59	72	69	72	69	75	83	85	83	77	76	77	80	78	73	70	69	65	63	65	70	72	75	78	80	72	..	72.2
	Minimum ...	39	46	43	43	39	35	51	44	40	44	54	56	64	62	56	55	56	58	53	40	40	44	45	40	40	37	43	44	46	56	..	47.1
Caruthersville§§.....	Maximum...	72	74	74	69	61	74	71	72	75	76	87	88	87	81	68	79	82	85	80	70	73	58	62	72	73	71	75	80	82	80	..	75.1
	Minimum ...	44	45	48	46	46	42	46	49	49	44	49	51	58	58	62	60	62	64	67	49	47	49	48	50	53	47	50	51	55	54	..	51.4
Crystal City	Maximum...	62	54	60	59	55	68	65	67	68	73	84	88	88	82	64	82	79	86	77	72	66	65	72	63	66	71	75	78	82	78	..	71.6
	Minimum ...	37	38	47	46	42	32	49	49	47	34	46	48	51	62	57	52	52	62	59	44	41	41	44	45	36	33	37	39	43	46	..	45.3
Doniphan	Maximum...	79	67	72	67	65	73	69	72	75	75	86	88	85	83	76	82	84	85	79	70	73	68	69	71	74	73	76	80	82	74	..	75.7
	Minimum ...	35	47	50	46	45	35	53	43	43	39	45	47	51	62	58	61	59	62	63	45	42	47	48	54	41	35	44	38	45	45	..	47.6
Farmington	Maximum...	62	58	62	63	59	72	63	68	66	73	85	88	86	80	74	79	79	83	72	72	66	66	69	64	67	71	74	79	83	77	..	72.0
	Minimum ...	39	42	46	48	42	34	49	43	49	40	47	60	59	64	59	59	61	64	60	57	45	39	42	40	48	38	42	52	56	50	..	49.1
Jackson	Maximum...	65	62	65	66	63	67	68	67	69	72	82	85	83	81	79	78	80	83	78	73	67	64	68	67	68	71	74	78	81	79	..	72.8
	Miuimum ...	35	42	50	47	45	35	51	47	50	41	47	57	56	61	60	61	60	64	67	49	40	43	44	47	45	35	42	42	54	50	..	48.9
Poplar Bluff	Maximum...	76	68	70	68	65	74	68	77	75	71	88	89	88	84	78	81	84	85	80	73	76	66	69	70	74	74	78	83	85	88	..	76.8
	Minimum ...	42	46	50	49	47	40	52	48	49	45	52	55	57	60	62	62	60	65	66	48	49	46	49	53	49	42	50	49	54	52	..	51.6
Rolla................	Maximum...	68	63	64	52	54	73	67	69	64	64	83	85	86	77	63	76	76	79	76	63	62	67	66	60	64	70	74	77	79	66	..	69.6
	Minimum ...	40	45	48	41	39	40	50	48	45	42	51	58	63	56	55	56	60	58	48	42	44	43	50	46	42	46	50	51	56	55	..	48.9
St. Louis..........	Maximum...	58	52	56	55	53	64	62	67	63	67	80	87	87	81	64	78	77	83	76	63	62	64	68	62	63	70	74	76	80	76	..	68.9
	Minimum ...	39	44	48	45	43	46	49	53	53	50	52	60	62	63	59	60	61	62	56	45	48	45	51	44	44	51	53	58	59	62	..	52.2
Salem	Maximum...	71	58	62	58	55	70	66	68	65	64	82	83	84	77	62	77	76	81	75	71	64	66	66	61	66	70	74	75	77	74	..	69.9
	Minimum ...	34	45	48	42	39	34	51	41	45	37	50	54	61	59	55	55	59	61	58	42	40	42	49	47	40	35	40	41	49	49	..	46.7
Sikeston §§..........	Maximum...	70	64	71	70	63	72	70	72	74	74	89	90	89	86	72	81	85	85	79	74	73	63	66	71	74	73	76	82	85	80	..	75.8
	Minimum ...	39	44	41	50	45	39	50	44	49	44	49	57	58	58	61	61	59	64	66	49	44	43	49	50	46	44	47	49	52	56	..	50.2
Union	Maximum...	69	57	54	53	55	73	73	69	62	73	86	89	89	81	65	80	80	84	80	75	66	69	72	63	68	74	78	80	83	76	..	72.5
	Minimum ...	34	42	46	46	41	31	50	40	48	37	47	50	53	58	56	56	53	64	57	44	39	36	40	43	35	34	38	40	44	48	..	45.0
West Plains..........	Maximum...	76	64	68	51	58	72	68	70	69	76	83	84	83	78	65	79	78	75	74	65	69	64	68	64	72	72	74	76	78	62	..	72.2
	Minimum ...	37	48	50	44	38	35	49	43	41	41	45	49	53	58	55	56	55	56	50	42	42	46	47	50	45	39	45	41	44	49	..	46.4
Cairo, Ill..	Maximum...	65	63	66	66	57	68	68	69	70	70	84	87	85	82	68	78	82	83	77	68	68	60	62	67	65	69	74	80	83	79	..	72.1
	Minimum ...	43	45	52	49	45	42	51	52	53	48	52	64	65	65	62	63	64	65	61	51	52	46	50	50	51	47	49	53	56	60	..	53.5

---

a, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 5-27-41—1150.

Continued from page 17

Hail.—Light, 2d at Appleton City, Clinton, Kansas City, Lawson, St. Joseph; 3d at Clinton, Dexter, Koshkonong, Manes, Seymour, West Plains; 4th at Bragg City, Caruthersville, Eldon; 5th, at Caruthersville; 8th at Maryville; 13th at Maryville; 16th at Willow Springs; 17th at Amity, Appleton City, Bolivar, St. Joseph; 18th at Anderson(near), Appleton City, Kidder, Kirksville, Maryville, Unionville, West Plains. Moderate, 3d at Warrensburg, 17th at Bethany, Oregon, Warrenton. Heavy, 16th at Wappapello Dam.

Thunderstorms.—Local, 6th, 7th; more or less general, 2d, 3d, 4th, 8th, 9th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 29th, 30th.

Windstorms.—13th, 14th, 16th, 17th, 19th. (See special notes.)

TORNADO AT FILLMORE, MO.

A tornado struck the town of Fillmore, Andrew County, shortly after 6:00 p. m. of April 17. The first indication of the tornado was noted at about 5:45 p. m., when a funnel-shaped cloud was observed about five miles southwest of the town. Its path was almost due northeast from this point, the funnel skipping up and down and missing the ground in a number of places. The cloud touched the ground just south of the west edge of town and continued through the village before lifting again. Heavy rain, estimated at several inches, occurred at intervals for an hour or so after the passage of the storm; some hail was mixed with the rain at times. Width of storm through Fillmore was about 200 feet, and length of path in town about three-fourths mile. Total length of path (from time first observed to time last seen) was about 15 miles.

One new brick church was demolished and a frame church had its roof blown off and otherwise so badly damaged that it was rendered unfit for use. About twenty other houses sustained considerable damage. No persons were killed and only four were injured, none seriously. The amount of damage is variously estimated, but most estimates place total loss at about $200,000.

HEAVY RAINS, FLOODS AND WIND OVER SOUTHWEST MISSOURI, APRIL 14-19th.

Stormy conditions, attended by heavy rains, occurred in southwest Missouri from the 14th to the 19th, and considerable damage was done to soil by overflow of creeks and other small streams, and resulted in six deaths in southwest Missouri. However, only two deaths were due entirely to wind, and these in connection with a small tornado during the late evening of the 18th near Reeds Spring. Practically every small stream in southwest Missouri overflowed, and press reports indicate damages of somewhat more than a million dollars. The greatest damage was evidently to the secondary road systems operated by the counties and to farm lands that were badly eroded by the excessive rains. The water plant at Joplin was forced to close down by the flood, and heavy damage was suffered at Monett by the flooding of stores. Houses and mines in the Webb City-Oronogo district were overflowed and rendered useless, and much live stock was swept away. All estimates of damage do not include losses of private property owners, which undoubtedly was high, and the total damage over southwest Missouri must have been well over a million dollars.

ERRATA

February 1941, page 7: Total precipitation at St. Louis Airport should be 0.48; page 9: Precipitation at St. Louis Airport on 7th should be 0.07; total should be 0.48.

March 1941, page 12: Arcadia, date of highest temperature should be 20th; Caruthersville, number of cloudy days should be 17; Memphis mean temperature should be 35.1°; Steffenville, mean temperature should be 36.2°, departure −6.0°; Willow Springs, mean temperature should be 42.7°; Rolla, mean temperature should be 39.5°, departure −6.0°. Page 15: Rolla, maximum temperature on 12th should be 43; mean maximum should be 49.9.

15
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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

VOL. XLV MAY 1941 No. 5

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

Generally clear skies throughout the month resulted in excessive sunshine, averaging from about 10 per cent in some sections to more than 25 per cent above normal in northeast portion. Crop growth was hampered considerably by the third week by warm days and cool nights, due to this lack of cloudiness.

Temperature averaged above normal throughout the entire State during the month, with greatest departures in the northern and west-central sections. This was the warmest May since 1934, the second warmest since 1902, and the fourth warmest of record. Temperatures were rather high generally after the 19th and 20th, while the 9th and 13th were the coolest days, as a rule.

Precipitation averaged below normal in all sections, except in extreme northwestern counties, where there were excesses of an inch or more. The greatest deficiencies were recorded in some southwestern counties, with subnormal departures of more than 4.50 inches. General rains occurred during the first week of the month, and there were good rains in some localities in the Southeastern Division on the 15-17th, and in the Northern Division from the 20th-22d. Elsewhere rainfall was light after the middle of the month, except for fairly general precipitation over northern and extreme western portions of State during last two or three days.

Temperature conditions were generally favorable for crop growth during the first week, and wheat that survived the winter freeze had made fair progress. Much corn planting was accomplished, with about 10 per cent remaining by the third week. Early planted had been cultivated by end of month. Dry weather had an adverse effect on the oat crop, causing it to head prematurely.

Some improvement was shown in truck crops and vegetables by end of month, although slow progress was made prior to that. There was damage in some sections during first week by heavy rains. Meadows, pastures and ranges showed improvement during first two or three weeks, but they were becoming short, and suffering to some extent at end of month from dry weather. Rains during last two or three days of month in western half of State were expected to help, but rain was needed badly in eastern half.

Fruit prospects ranged from poor to excellent, with some sections showing much damage from November freeze.

Most of cotton acreage had been planted by the first week, and a part of the crop was up and being plowed during the second week. Growth was slow because of cool nights.—A. A. R.

TEMPERATURE

The monthly mean for the State, 89 stations reporting, was 68.9°, or 4.4° above normal. The highest monthly mean was 72.8° at Campbell, and the lowest monthly mean was 65.6° at Crystal City, Goodland and Salem. The highest recorded was 97° at Sikeston on the 21st, and the lowest was 35° at Goodland on the 13th. The greatest daily range was 53° at Licking on the 25th.

PRECIPITATION

The average for the State, 155 stations reporting, was 2.29 inches, or 2.39 inches less than normal. The greatest local monthly amount was 6.18 inches at Tarkio, and the least local monthly amount was 0.35 inch at Caruthersville. The greatest amount in any twenty-four hours was 3.91 inches at Saverton on the 23d. The average number of days with 0.01 inch or more was 8.

(Continued on page 28)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.98*	30.39*	24	29.59*	6	7.4	21	nw.	31	80*	48*	51*	74
Kan. C. Airport	29.96	30.42	23	29.53	14	10.6	50	sw.	27	77	48	52	70
St. Joseph	29.95*	30.44*	23	29.49*	14	8.3	30	nw.	6	87*	59*	63*	76
St. Louis	30.00*	30.39*	21	29.61*	6	11.6	38	sw.	14	68	45	46	81
Springfield	30.00	30.33	24	29.63	6	10.3	34	w.	16	84	56	60	73
Cairo, Ill.	30.02	30.32	24	29.65	6	7.6	30	n.	16	76	44	..	81
Keokuk, Iowa	29.99§	30.39	24	29.56	6	7.4	28	nw.	31	68	44	..	82

* Data for Airport Station. § 7:30 A. M.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	62.1	93	30	4.98	6.23	4.73	3.98	....	5	..	..	..
1889	63.5	100	28	6.06	7.41	6.91	3.87	....	5	..	..	..
1890	62.8	97	26	3.65	2.91	4.62	3.43	....	6	..	..	..
1891	61.5	97	27	4.11	4.84	3.87	3.62	0	8	..	..	..
1892	60.7	91	28	9.04	8.72	10.11	8.28	0	17	5	9	17
1893	61.8	94	30	6.14	5.74	6.11	6.56	0	10	11	11	9
1894	63.7	96	29	4.31	2.60	5.18	5.14	0	8	13	11	7
1895	64.6	103	28	3.95	4.01	5.45	2.40	0	9	13	12	6
1896	70.1	96	37	9.17	9.00	10.29	8.22	0	12	12	12	7
1897	62.4	93	28	2.60	2.64	2.68	2.47	0	7	16	11	4
1898	65.2	97	31	7.68	8.36	7.81	6.88	0	14	12	10	9
1899	66.9	96	34	6.07	7.01	5.89	5.31	0	2	10	13	8
1900	66.3	97	29	3.63	3.80	3.00	4.09	0	10	14	11	6
1901	63.8	98	30	1.47	1.55	1.43	1.42	0	6	15	10	6
1902	69.4	98	39	4.82	5.31	5.65	3.51	0	11	13	11	7
1903	65.1	92	23	7.05	7.01	8.21	5.93	0	15	9	10	12
1904	63.1	95	32	4.74	5.46	5.40	3.35	0	12	13	10	8
1905	64.9	94	34	5.33	4.20	6.62	5.17	0	10	12	11	8
1906	66.3	98	27	2.45	2.08	3.02	2.25	0	7	15	10	6
1907	59.5	91	17	5.61	3.64	5.92	7.27	0.8	10	14	6	11
1908	66.1	96	24	6.91	8.16	6.77	5.79	0	12	12	10	9
1909	63.3	96	25	5.55	5.19	6.22	5.25	T.	9	15	9	7
1910	60.1	94	32	6.38	7.46	7.42	4.25	0	13	11	8	12
1911	68.8	101	27	1.46	2.45	1.10	0.84	0	5	19	7	5
1912	67.6	97	30	3.80	3.90	3.45	4.05	0	7	18	8	5
1913	65.8	101	33	2.79	3.82	3.16	1.40	0	8	16	7	8
1914	66.6	98	31	1.49	0.97	2.31	1.20	0	5	17	9	5
1915	63.7	97	30	7.72	8.34	8.11	6.70	0	12	12	7	12
1916	65.6	96	33	5.47	7.30	5.46	3.64	0	11	15	8	8
1917	58.7	91	30	4.28	4.14	5.38	3.32	0	10	15	7	9
1918	68.3	100	28	5.50	5.71	4.23	6.57	0	10	16	8	7
1919	62.0	93	35	5.74	5.65	5.96	5.61	0	13	10	10	11
1920	63.8	97	32	5.01	3.77	5.10	6.15	0	12	9	9	13
1921	66.4	102	28	3.68	3.80	3.68	3.55	0	7	17	8	6
1922	67.2	97	38	3.07	3.53	3.59	2.09	0	10	14	10	7
1923	62.7	97	25	4.68	2.45	4.40	7.18	T.	12	11	10	10
1924	58.6	96	31	4.71	3.18	5.13	5.83	0	10	13	8	10
1925	61.2	98	24	2.10	2.32	2.39	1.60	0	7	14	9	8
1926	67.0	100	29	2.78	2.42	3.34	2.58	0	7	16	9	6
1927	64.6	94	34	6.95	4.55	6.77	9.51	0	12	11	10	10
1928	65.8	95	29	2.87	2.05	3.16	3.41	0	8	16	9	6
1929	61.7	95	28	7.76	5.30	9.66	8.31	0.3	13	9	10	12
1930	64.7	95	33	3.33	3.22	3.78	2.98	0	9	16	8	7
1931	61.0	96	29	4.50	4.84	4 64	4.03	0	10	15	6	10
1932	66.1	98	31	1.80	2.44	2.03	0.93	0	6	18	9	4
1933	65.9	96	35	7.75	6.44	8.07	8.74	0	13	11	9	11
1934	69.0	110	31	1.93	1.82	2.42	1.56	0	5	21	7	3
1935	60.3	92	32	8.46	9.73	7.99	7.66	0	17	6	8	17
1936	68.8	95	32	2.52	3.07	2.95	1.54	0	7	17	10	4
1937	66.2	98	34	3.86	3.97	4.36	3.25	0	9	13	11	7
1938	65.0	94	32	6.13	5.32	7.75	5.31	0	13	9	12	10
1939	67.4	102	31	4.17	2.94	5.98	3.60	0	9	15	9	7
1940	62.7	95	30	2.44	2.44	2.40	2.48	0	8	16	9	6
1941	68.9	97	35	2.29	2.71	1.95	2.21	0	8	16	11	4
Period	64.5	110	17	4.68	4.59	5.07	4.38	T.	9	14	9	8

Natural History Library

Climatological Data for May 1941

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	46	67.6	+ 5.1	89	14	37	9	35	48	5.31	+1.14	2.16	0	11	16	11	4	se.	A. S. Cumming
Brunswick	Chariton	652	60	69.0	+ 4.8	93	26	41	9	41	62	1.97	−2.64	0.70	0	9	25	1	5	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	3	67.3	......	91	21	40	9†	32	11	1.23	−4.09	0.48	0	12	16	13	2	sw.	Lockmaster
Chillicothe	Livingston	779	32	69.4	+ 6.5	92	30	40	9	34	35	3.07	−1.02	1.02	0	11	22	4	5	sw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	42	69.2	+ 5.6	92	26	38	9	34	32	1.82	−2.58	0.86	0	5	18	12	1	s.	Dr. A. J. Bradsher
Columbia	Boone	740	51	70.0	+ 5.0	92	21	42	9	31	51	5.35	+0.89	2.29	0	8	11	17	3	s.	U. S. Weather Bureau
Conception	Nodaway	980	52	69.0	+ 6.9	92	14	40	9	34	57	5.33	+1.27	1.70	0	12	14	15	2	s.	Fr. Adelhelm Hess
Edgerton	Platte	856	21	68.2^{a}	+ 5.2	93	31	37	9†	39	30	2.17	−2.03	0.63	0	10	15	9	7	sw.	Fred L. Stiff
Elsberry	Lincoln	449	10	68.4	+ 3.7	93	21†	38	12	50	10	2.48	−0.84	2.00	0	3	20	9	2	s.	Ray E. Mills
Fayette	Howard	760	61	68.0	+ 4.2	92	26	39	9	35	58	2.60	−1.72	0.60	0	8	15	13	3	s.	Irvin E. Schnell
Fulton	Callaway	818	53	68.2	+ 3.6	93	21†	39	9	42	49	1.86	−2.74	0.70	0	8	19	10	2	sw.	Clyde C. Herring
Grant City	Worth	1,134	37	67.2	+ 5.2	90	14	38	9†	36	49	2.92	−1.31	1.60	0	8	10	16	5	sw.	Howard Rybolt
Hannibal	Marion	759	49	68.5	+ 4.9	92	21	40	9	32	57	1.52	−2.83	0.37	0	10	11	14	6	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	52	70.5	+ 5.7	91	14	45	9	30	52	3.18	−1.47	0.82	0	12	7	18	6	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	3	71.7	......	92	30	46	9	31	3	3.56	......	0.75	0	14	10	17	4	sw.	University of Kansas City
Kidder	Caldwell	1,020	49	67.9	+ 5.3	90	15†	39	9	30	53	3.18	−1.47	1.00	0	10	18	11	2	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	52	68.4	+ 6.1	91	20†	39	9	36	59	2.96	−2.37	0.75	0	10	18	12	1	nw.	Howard Coons
Lawson	Ray	1,070	3	68.4	......	90	30	40	9	30	3	1.42	......	0.51	0	10	12	15	4	nw.	Elmer E. Lamb
Louisiana	Pike	469	47	68.9	+ 5.2	92	15†	37	10	40	60	2.55	−2.15	1.10	0	6	19^{a}	7^{a}	4^{a}	w.	Stark Bro's Nurseries
Macon	Macon	875	42	69.0	+ 5.5	93	20†	40	9	38	48	1.44	−3.15	0.54	0	8	19	8	4	sw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	51	67.8	+ 6.5	90	14	40	9	30	47	5.36	+0.71	1.46	0	10	15	7	9	sw.	R. B. Montgomery
Memphis	Scotland	787	2	66.0	......	90	21†	39	9†	39	11	4.66	+0.65	2.05	0	6	13	4	14	sw.	John W. Alexander
Mexico	Audrain	800	52	69.4	+ 5.4	95	21	40	9†	37	63	1.23	−3.37	0.45	0	6	26	0	5	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	4	70.5	......	94	22	41	10	36	4	2.82	......	0.96	0	7	25	6	0	sw.	Beverly Coomes
Oregon	Holt	1,048	85	69.5	+ 6.3	93	14	42	9	34	85	2.42	−2.12	0.58	0	9	19	10	2	sw.	Miss Mina Wright
St. Charles	St. Charles	520	53	70.1	+ 7.0	95	21	43	9	37	63	2.25	−2.03	0.97	0	9	23	6	2	s.	Martin L. Comann
St. Joseph	Buchanan	957	31	69.6	+ 5.4	93	14	44	9	30	69	3.57	−1.13	1.99	0	11	11	16	4	s.	U. S. Weather Bureau
Steffenville	Lewis	650	43	67.9	+ 4.1	92	31	38	9	32	48	1.60	−2.97	0.75	0	7	13	16	2	s.	Frank Hall
Tarkio	Atchison	916	38	67.2	+ 4.6	92	14	39	9	33	47	6.18	+1.64	1.75	0	13	11	11	9	sw.	Albert Volker
Trenton	Grundy	822	45	69.4	+ 5.9	92	30	39	9	36	46	3.78‖	−0.92	1.92	0	10	16	12	3	s.	W. H. Estes
Unionville	Putnam	1,062	48	67.6	+ 5.5	92	27	36	9	43	48	3.99	−1.26	1.22	0	8	24	5	2	w.	John H. Schick
Warrenton	Warren	816	59	69.4	+ 4.5	92	21†	40	9	40	51	2.69	−1.71	2.25	0	7	10	16	5	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	69	68.4	+ 4.6	90	30	42	9	27	69	2.28	−1.65	0.52	0	9	10	15	6	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	68.7	+ 5.3	**95**	**21**	**36**	**9**	**50**	..	**2.71**	**−1.88**	**3.91**	**0**	**9**	**16**	**11**	**4**	**sw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	37	68.2	+ 2.5	90	22	45	13	41	42	0.82	−4.93	0.42	0	3	3	27	1	sw.	E. S. Taylor
Appleton City	St. Clair	813	46	68.8	+ 3.8	91	26†	40	10	37	49	1.76	−3.04	0.86	0	8	17	5	9	sw.	Rolla Brown
Bolivar	Polk	1,071	38	69.4	+ 4.6	93	31	43	9	34	46	1.02	−4.33	0.55	0	7	13	12	6	sw.	Southwest Baptist College
Boonville	Cooper	650	3	68.9	......	90	21	43	9	33	64	2.53	−2.08	0.65	0	7	19	7	5	sw.	Boonville Water Dept.
Carthage	Jasper	962	7	69.4	......	90	31	42	10†	33	17	0.87	......	0.32	0	7	20	11	0	sw.	Carthage W. and E. Plant
Clinton	Henry	786	48	69.8	+ 4.3	92	30	41	9†	35	54	2.50	−2.33	1.86	0	8	3	25	3	se.	U. S. Weather Bureau
Eldon	Miller	934	46	68.6^{c}	+ 4.4	92	21†	41	9†	38	42	1.22‖	−3.08	0.43	0	8	12^{c}	10^{c}	6^{c}	sw.	E. H. Shepherd
Harrisonville	Cass	904	63	68.8	+ 5.0	92	31	41	9	32	66	3.18	−1.25	1.42	0	8	11	7	13	nw.	John H. Patterson
Jefferson City	Cole	557	51	67.8	+ 3.1	91	16†	39	9	37	59	2.12	−2.29	0.82	0	9	20	5	6	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	19	71.0	+ 4.7	87	21†	49	10	25	36	2.87	−2.49	1.10	0	9	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	10	69.2	+ 3.1	91	21†	42	9	41	10	1.34	−2.93	0.51	0	8	..	..	..	se.	W. S. Frame
Lamar	Barton	980	53	68.8	+ 3.2	91	31	43	12†	38	60	2.69	−2.57	1.30	0	5	23	6	2	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	53	66.8	+ 1.9	89	31	39	9	40	54	2.80	−2.41	0.78	0	9	15	10	6	s.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	56	70.4	+ 6.0	92	30	42	9	33	57	2.36	−2.60	0.95	0	12	15	14	2	s.	Miss Carrie Loomis
Lockwood	Dade	1,078	35	70.6	+ 6.2	94	31	43	10	39	45	0.78	−4.54	0.38	0	6	17	14	0	sw.	Hubert A. Nieman
Marshall	Saline	779	54	68.7	+ 4.5	89	21†	41	9	38	51	2.54	−2.07	0.67	0	11	23	5	3	ne.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	40	67.1	+ 3.3	87	22	42	9	31	44	4.07	−0.39	2.12	0	11	7	22	2	se	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	29	68.9	+ 3.1	94	31	43	10†	36	41	1.28	−4.23	0.45	0	7	6	17	8	se.	G. H. Boswell
Neosho	Newton	1,011	51	69.2	+ 3.2	90	31	42	12	35	58	1.21	−4.35	0.82	0	6	12	15	4	s.	U. S. Fisheries Station
Nevada	Vernon	862	48	70.6	+ 6.1	92	26†	41	10†	38	49	0.39	−4.54	0.13	0	8	17	11	3	sw	Henry Kraft
Ozark Beach	Taney	700	1	69.8	......	93	22	45	13	39	16	1.77	−3.45	0.55	0	7	20	5	6	......	V. Smith
Sedalia	Pettis	910	28	70.7	+ 5.4	94	21	40	9	39	30	2.10	−2.44	0.56	0	8	24	5	2	se.	Dr. J. E. Cannaday
Seligman	Barry	1,512	40	67.5^{a}	+ 3.0	86	31	46	13	32	38	1.76	−3.68	0.72	0	7	15	13	3	sw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	35	66.2	+ 2.5	85	21†	39	12	33	35	3.33	−1.50	2.06	0	8	15	14	2	se.	A. L. Hailey
Springfield	Greene	1,301	53	67.6	+ 3.1	88	31	43	9	30	53	2.09	−3.10	1.03	0	8	6	15	10	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	0	69.8^{a}	......	96	29	39	12	44	0	2.66	......	0.86	0	11	16^{a}	9^{a}	5^{a}	s.	H. F. Nelson
Warrensburg	Johnson	878	54	70.4	+ 5.4	93	30	43	9	35	61	2.60	−2.12	0.76	0	9	10	13	8	sw.	E. A. Markey
Warsaw	Benton	687	40	70.0	+ 4.5	94	26	40	9	38	46	3.38	−1.62	1.62	0	10	10	20	1	s.	Everett Martin
Division means	**and extremes**	.....	..	69.0	+ 4.0	**96**	**29**	**39**	**9†**	**44**	..	**1.95**	**−3.12**	**2.12**	**0**	**8**	**14**	**12**	**5**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	4	68.8	......	94	21	38	13	41	4	1.43	......	0.64	0	7	9	15	7	sw.	U. S. Weather Bureau
Arcadia	Iron	926	60	66.2	+ 2.1	92	21	37	13	51	63	2.13	−2.11	0.92	0	5	17	11	3	......	Arcadia College
Birch Tree(near)	Shannon	1,000	46	66.0	+ 1.0	89	21†	38	9	42	47	2.43	−1.92	1.00	0	8	20	9	2	s.	V. H. Kirkendall
Campbell	Dunklin	314	15	72.8	+ 5.5	95	21†	45	10	37	15	2.18	−2.83	1.58	0	7	17	13	1	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	45	72.2	+ 2.4	96	20†	45	13	35	49	0.35	−4.09	0.20	0	3	27	1	3	s.	Victor T. Malloure
Crystal City	Jefferson	420	7	65.6	......	92	21†	36	12	50	7	1.73	......	1.02	0	5	9	17	5	s.	Frank Magre
Doniphan	Ripley	344	37	69.2	+ 2.7	95	21	39	13	44	37	3.61	−0.75	1.71	0	4	21	4	6	sw.	Boyce Lackey
Farmington	St. Francois	896	30	69.1	+ 5.4	92	21	41	13	43	44	1.78	−3.29	1.20	0	7	13	9	9	s.	F. M. Karsch
Goodland	Iron	1,000	48	65.6	+ 1.6	90	21†	35	13	46	48	2.83	−1.68	1.17	0	6	19	10	2	s.	F. M. Adams
Greenville	Wayne	381	32	69.0	+ 3.1	94	21	38	13	46	34	2.75	−1.43	1.30	0	4	17	9	5	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	50	68.8	+ 3.2	92	21†	39	9†	42	51	1.60	−2.67	0.65	0	6	21	8	2	s.	L. R. Crites
Koshkonong	Oregon	958	40	69.0	+ 2.4	91	21	47	9†	34	41	1.81	−2.74	0.92	0	6	15^{b}	9^{b}	5^{b}	se.	R. M. Hitt
Licking(near)	Texas	1,170	4	67.1	......	93	25	36	2†	53	4	3.95	......	1.61	0	9	23	7	1	sw.	U. S. Forestry Service
Marble Hill	Bollinger	470	46	69.7	+ 4.1	95	21	39	9†	43	48	2.11	−2.38	0.98	0	6	16	14	1	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	36	72.0	+ 4.5	96	19†	45	13	45	37	3.27	−1.25	1.37	0	7	15	13	3	s	B. R. Wheetley
Rolla	Phelps	1,202	41	67.8	+ 3.3	89	31	42	9	33	57	2.29	−2.46	1.44	0	7	11	15	5	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	104	70.6	+ 3.6	92	21	48	9	27	104	1.91	−2.43	1.00	0	9	18	7	6	sw.	**Section Center**
St. Louis Airport	St. Louis	556	4	69.0	......	93	21	43	9	37	10	2.32	......	0.68	0	9	17	6	8	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	29	70.8	+ 5.1	93	21	48	9†	30	29	2.10	−2.09	0.86	0	9	26	4	1	se.	St. Louis University
Salem	Dent	1,173	37	65.6	+ 1.1	88	21†	39	10	37	40	3.43	−1.08	1.18	0	10	14	14	3	s.	E. E. Martin
Sikeston	Scott	318	34	71.8	+ 3.3	97	21	43	9†	40	44	2.92	−1.32	0.89	0	9	9	22	0	sw.	Mrs. Hazelle P. Young
Union	Franklin	520	3	68.3^{a}	......	92	21†	39	12	45	24	2.06	−2.48	0.93	0	5	20	5	6	s.	Robert Mueller
Wappapello Dam	Butler	475	2	71.6	......	92	21†	46	13	36	2	2.03	......	0.77	0	9	22	4	5	sw.	J. E. Harns
West Plains	Howell	1,005	4	67.0	......	91	21†	40	25	42	4	1.55	......	1.06	0	6	8	14	9	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	0	67.5	......	90	21†	40	9†	42	34	4.67	+0.07	2.37	0	8	19	6	6	sw.	G. W. Yarnell
Cairo, Ill.	Alexander, Ill.	315	69	71.0	+ 2.6	93	21	49	12	30	70	1.77	−1.91	0.80	0	7	7	17	7	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	68.9	+ 3.2	**97**	**21**	**35**	**13**	**53**	..	**2.21**	**−2.17**	**2.37**	**0**	**7**	**17**	**10**	**4**	**s.**	
State means	**and extremes**	.....	..	68.9	+ 4.4	**97**	**21**	**35**	**13**	**53**	..	**2.29**	**−2.39**	**3.91**	**0**	**8**	**16**	**11**	**4**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.
¶ Estimated. ‖ Partially estimated.

Daily Precipitation for May 1941

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Amity[2]	Grand	.66	.04	T.	.01	.02	.28		.01								.28					.06	.30	.50					.02		.01	.02	2.21
Bethany	do			.07		.10	.20									.38	1.03				.18	.12	2.16					.31			.05	.71	5.31
Bowling Green[2]	Mississippi						1.25	.20	.06							.15								.13							.17		1.96
Brunswick[2]	Grand	.18	.10				.60	T.	.01													.10	.60	.03					.29			.03	1.97
Canton, Lock No. 20[2]	Mississippi	.01	.02			.01	.48	.21	.01				.03				.19						.02	.08					.09			.08	1.23
Centralia[2]	do	.35					.43		.11																				.51			.79	2.22
Chillicothe[2] (A)	Grand	.16	.11	.43	.02	T.	.13		.03								.18					.11	1.02	.76					.09			T.	3.07
Clifton Hill	Chariton	.10				.07	.53																					.26				.86	1.82
Columbia[1‡]	Missouri	1.23		T.	T.	.49	.41	.37									.02						.07				T.			T.	2.29	.47	5.85
Conception	do	.15		.52	.10	.06	.39	T.									.65					.07	1.02		.02					.51	.14	1.70	5.33
Edgerton	Missouri	T		.11	.13	.02	.18	T									.86				T.		.63					.07		.16	.16	.32	2.17
Edina[2]	Mississippi	T.					.31	.17	T.								.15						.22	.53					.17			.05	1.63
Elsberry	do						2.00								.33		T.							.15									2.48
Farber[2]	do						.55																	.32								.40	1.27
Fayette	Missouri	.18	.52	T.		.08	.50		.14								T.						T	.06				.52			T.	.60	2.60
Fulton[2]	do	.41	.21				.70	.08	.21				.03					.01						.15									1.86
Gallatin[2]	Grand	.46	T.		.01	.02	.60		.02								.15					.20	.33	1.16									2.95
Gorin	Mississippi	T.				T	.53	.08									.19					.12	.73					T.			.21	.54	2.40
Grant City	Grand	.21		.03	.15	T.	.47	T.									1.60					.10	.22							T.		.14	2.92
Hannibal[3] (A)	Mississippi	.29			.04	.18	.37	.02									.21						.05					.17			.09	.10	1.52
Hermann[2]	Missouri		.03				1.27	.13	.18									.03						.21									1.85
Kahoka[2]	Mississippi						.70	.20					.10				.35					.93	.48						.25				3.01
Kansas City Airport[1‡]	Missouri	.03	T.	.58	.07	T.	T.	.03		.09							T.				.08	.62	.31					.19		.02	.75	.41	3.18
Kansas City University	do	.05	.04	.50	.18	.04		.05	.03	.10											.10	.60	.25					.20			.75	.67	3.56
Kidder[2]	Grand	.57			.07	.02	.07		.02								.58					.11	1.00	.70					.04			T.	3.18
King City	Missouri	.18		.14	.15	.11	.09	.02									.60					.40	1.78				T.	T.		.05	T.	.30	3.82
Kirksville	Mississippi	T				.30	.50	.27	.02								.14					.02	.75	.20				.27				.49	2.96
LaBelle[2]	do	.10					.34	.19									.36						.21	.31					.28				1.79
Lawson	Missouri	.51	.10	.03	.05	T.		T.	.08								.03				T.	T.	.47					.05			.03	.07	1.42
Linneus[2]	Grand	T.	.37			.10	.34	.03									.21					.20	.01	.94					.10		.01		2.31
Louisiana (A)	Mississippi					.25	.85	.20							.10								.30									.85	2.55
Lucerne[2]	Grand						.61	.25	.01								2.00					.14	.13	1.45					.12				4.71
Macon[2]	Chariton	.24	.30				.32	.01	.01								T.						.15	.02					.39				1.44
Madison[2]	Mississippi	.02	.73				.48	.06	.08															.18					.34		T.		1.89
Maryville	Missouri	.13	.09	.43	.10		.37	T.									1.46					.22	.69					T.		1.02		.85	5.36
Memphis[2]	Mississippi						.93	.14	T		T.						.74							2.05					.60			.20	4.66
Mexico[2]	do	.10	.05				.45	.08	.15															.40									1.23
Milan[2]	Grand		.33				1.40	.28									.25						.42	.63					.83		.03	.07	3.74
Moberly	Mississippi	.28			.08		.40	.04																.33				.96			T.	.73	2.82
Monroe City	do	.22					.64	.14	.03			.08					.09						T.						.16			.09	1.45
Oregon	Missouri			.52	.06	.05	.40										.55				.10		.48							.06		.20	2.42
Palmyra[2]	Mississippi	.40	.75			.05	.55	.08	T															T.					T.			T.	1.83
Paris[2]	do	.18	.23		.05		.41	.12	.04							T.								.21					.16				1.40
Perry[2]	do	.15	.05				.45	.15																1.05					.40				2.25
Philadelphia[2]	do						.45	.24									.11						.05				.15					.24	1.24
Platte City[2]	Missouri	.29			.47		.31										.12					.10	.13	.16							.52	.03	2.13
St. Charles[2]	do						.75	.22	.25							.29		.03						.52					.03		*	.16	2.25
St. Joseph[1‡]	do	1.49		.42	.01	.29		T.						T.			.31				.20	.01	.42				T.			.05	.06	.31	3.57
Saverton, Lock No. 22[2]	Mississippi	.09	.19				.61	.09	T.				.03				T.							3.91					.15				5.07
Shelbina	do	.15			T.	T.	.60	.10	.04			T.					.11					.20		T.					.37			.21	‖1.78
Shelbyville[2]	do	.12					.54	.12																					.23			.27	1.28
Steffenville[2]	do	.17					.75		.03								.27						.04						.14			.20	1.60
Tarkio	Missouri	.15	.25	.44	.21	.15	.10									.10	1.65				.41		.94					1.11		.15		.52	6.18
Trenton	Grand	T.			.13	.14	.80	.02									.20				.09	.10	1.92					.15			T.	.23	3.78
Troy[2]	Mississippi					T.	1.40	.28	.20				.12			.11		T.						.20									2.31
Unionville[2]	Chariton						.90	.22	T.								1.10					.08	.12	1.22				.08	.27				3.99
Warrenton	Mississippi	T				.30	1.95		.20			.09			.10		.03							.02									2.69
Keokuk, Iowa[1‡]	do	T.			T.	.17	.37	.02				T.			T.		.52					.14	.43					.35			.21	.07	2.28
Southwestern Division																																	
Altona[2]	Osage				1.64						T.										.18			.34					.31				2.47
Anderson (near)	Neosho		T.	.42	T.	T.	.32										.08					T.							T.	T.			0.82
Appleton City	Osage	.02	.40	.29	.05	T.		.10									T.			.01	.03											.86	1.76
Bloodland[2]	Gasconade	.24	.34	.32	.32		.76		.01	T.			T.		.25			.48												T.			2.72
Bolivar	Osage	.03		.09	.20		.35	.02	.05								.28													T.	T.	T.	1.02
Boonville[2] (A)	Missouri	.65	.05		.20		.43		.27																				.31			.62	2.53
Buffalo[2]	Osage		.30				.45								.02			.74										.05					1.56
Butler[2]	do	.60			.55																	.06								.03		.04	1.28
Caplinger Mills	do			1.10		.17	T.	T.									T.			T.												1.12	2.39
Carthage	Neosho		T.	.32	.03	.05	.09	.05	.09								.24				T.												0.87
Clinton[4]	Osage	.26		.15		.03		.14		.01							.03				T.		.02					T.			T.	1.86	2.50
Concordia[2]	Missouri	.16	.56	.17			T.				T.						T.						T.						.14		T.	.30	1.33
Crocker[2]	Osage	.02	.04	.24	.02	.04	1.17	T.	.01						.10			.25						T.									1.89
Eldon[2]	Missouri	.15	.25		.20		.43	.03	.05									.07														.04	‖1.22
Galena[2]	White				.20		.48	.04										.23															0.95
Hailey	do			.37	T.	T.	.20	.30	.10																		T.						0.97
Harrisonville[2]	Osage	.29		.56	1.42		.04				.02											.10		.10								.65	3.18
Higginsville[2]	Missouri	.18		.69	.20	T.	.32																.05	.10					.03			.10	1.67
Jefferson City[2]	do	.20		.06	.06	.12	.60	.10	.04								T.	.82						.12									2.12
Joplin[3]	Neosho	.17	.40	.30		.23		.10									1.10				.09	.03	.45										2.87
Lakeside[2]	Osage	.17	.25		.21	.03	.51	T.	.03									.12						.02								T.	1.34
Lamar[2]	Neosho			.53	.10		1.30	T.	.15									T.				.61											2.69
Lebanon	Osage	.22	.07		.55		.78	.02					.01		.48			.50												T.		.17	2.80
Lexington[2]	Missouri	.34	.09	.12	.22	.03	.30		.06								.02						.05	.11					.07			.95	2.36
Lockwood	Osage		.05	.38			.07	.07	.08								.13							T.						T.			0.78
Manes[2]	Gasconade	.14	.25	.07	.39		.96	.03		T.			T.		.37			.56												T.	.05		2.82
Marshall	Missouri	.11		.01	.09	.08	.16		.09															.18				.25	.42		.57	.58	2.54
Mountain Grove	White	.06		.19		.08	2.04		.29			.04			.34		.54	.10									.05			.34			4.07
Mount Vernon	Neosho		.03	.10	.08	T.	.20	.22	.20								.45				T.												1.28
Neosho	do	.01	.19	.60	.22	.04		.15									T.	T.					T.										1.21
Nevada	Osage	.13		.06	.02	.05	.03		.02			.01					T.				.07												0.39
Osceola[2]	do				.12		.06	.02										.30															0.50
Ozark Beach[2]	White	.11			.15		.55	.03								.35												.20			.38		1.77
Pleasant Hill[2]	Osage	.15		.05	.46		.22		.03		.07											.02		.05					.03			.03	1.11
St. Thomas (near)[2]	do	.89		.10	.06		.62											.26						.19									2.12
Sedalia	Missouri	.56	.20	.52	.22	.06	.12		.05														T.									.37	2.10
Seligman	Neosho		.14	.58			.18	.14							.55		.04													.13			1.76
Seymour (near)	White		.08	.13	.18		.65		.05			T.					2.00	.06												.18			3.33
Springfield[1‡]	do	T.	T.	.22		.33	.24	.08	.10	T.		.08		T.	T.		1.03							T.						.01	T.		2.09
Stover[2]	Missouri	.12																*														1.73	1.85

Continued on next page

Daily Precipitation for May 1941—Continued from preceding page

Stations	Drainage-basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—	*Concluded*																																
Sweet Springs	Missouri	.11	T.	.02	.11	.18	.39		.03	T.	T.												.04	T.			.03	.53			.86	.36	2.66
Warrensburg	...do	.60	.46		.09	.04	.05		.03		T.										T.	T.						.45			.12	.76	2.60
Warsaw (A)	Osage	1.62	.06	.57	.17	.04	.09	.01	.06	T.							.01							T.								.75	3.38
Wasola	White	T.		.09		.10	2.01								.08													.10		.24			2.62
Waverly[2]	Missouri	.02	.23		.30		.25															.20	.06	.05					.15			.08	1.34
Southeastern Division																																	
Advance[4]	St. Francis	.02	T.		.30	.28	.12					T.			.07		.63	.01									T.						1.43
Alton (near)	Black			.03	.12	.13	1.24											1.31															2.83
Annapolis	St. Francis		.04			.14	.78								.05		.21	T.												T.			1.22
Arcadia[2]	...do	T.	T.	.06	T.	T.	.83	.28						T		.04		.92				T.			T.					T.			2.13
Belleview	Meramec					.10	1.10									.24																	1.44
Birch Tree (near)	Black		.04	.03	.22	.12	.90		.12								.90	.10															2.43
Bragg City[2]	St. Francis								.28	.18								.36				T.											0.82
Campbell	...do				.01	T.	.26		.05	.14			.01		T.			1.58			.13												2.18
Cape Girardeau[2]	Mississippi		T.			.36	.15	.47					.13			.18		1.43				.01	.53					T.					3.26
Caruthersville[2]	...do						.10	.05										.20						T.									0.35
Centerville[2]	Black	T.		.41	.21		.84	.31								.05		.52												.02			2.36
Crystal City	Mississippi					.03	.56					.12					.93	.09															1.73
Cuba[2]	Meramec						1.20									.43		.21						.37									2.21
Dexter[2]	St. Francis																																....
Doniphan	Black		T.	T.		.15	1.55		.20			T			T			1.71												T.			3.61
Farmington	St. Francis	.05				T.	1.20					.20			.09		.20	.02						.02									1.78
Fisk[2]	...do	T.		T.		T.	.63	.34		.31		T.	.04					1.09				.27	.07							T			2.75
Fredericktown[2]	...do			.52			.73	.20					.03			.09		.81				.38											2.76
Gerald[2]	Meramec			.09				1.34	.10				.06					.64						.25								.10	2.58
Goodland	Black	.11					1.17		.04						.08		.90							.53									2.83
Greenville	St. Francis		.28			.05	1.30														1.12												2.75
Jackson	Mississippi		.22		.11	.14	.31					T.			.17			.65															1.60
Jerome[2]	Gasconade	.24			.21		.82	T.								.31		.10															1.68
Koshkonong	Black			.10	.12	.34	.92								.02			.31															1.81
Leeper[2]	...do			T.			.98	.43					T.			.10		.44															1.95
Licking (near)	Gasconade	.35		.04	.01	.07	1.54			T.		.07			.13		.88							.86						T.			3.95
Marble Hill	Mississippi	.10	.20			.10	.61								.12			.98			T.												2.11
Meramec Park[2]	Meramec						.62	.32	.06							1.13		.48						.18									2.79
Morehouse	Mississippi	.04		T.			.28	.44	.08						T.			.65			T.		.08				T.						1.57
New Madrid[2]	...do		T.		T.	T.	.21	.61		.10			T.					1.49						.33									2.74
Owensville[2]	Gasconade																	.93														.46	1.39
Pacific[2]	Meramec						1.20	T.	.14									.40						T.						T.	T.		1.74
Parma[2]	St. Francis					.03	.20	.41		.15						.01		1.75				.10						.04					2.69
Perryville[2]	Mississippi		T.				.40	.80								.20		1.00															2.40
Poplar Bluff[2] (A)	Black			T.		.07	.79	.51		.05			T.			.08		1.37				.40	T.										3.27
Richwoods[2]	Meramec							.45	.39							.85		.50															2.19
Rolla[4]	...do	.01		.04		.86	.58	T.				T.			.24		.39							T.						T.		.17	2.29
St. Louis:																																	
City Office[1]‡	Mississippi	.10				.38	.63	.04	.22			T.	T.		.27		.11				.02		.14	T						T.	T.	T.	1.91
Airport[4]‡	Missouri	T.				.36	.38	.27	.04			T			.68		.05						.36	.01				T.		T.	.17	T.	2.32
St. Louis Univ.[3]‡	Mississippi	.07				.39	.86	.05	.19						.23		.10				.08		.13							T.		T.	2.10
Washington Univ.[2]‡	...do	.10					.55	.32	.45							.36		.05						.05							.01		1.89
Salem	Meramec	.05		.22			.90	.28				.07		T.	.30		.54						1.00							T.	.03	.04	3.43
Sikeston[2]	Mississippi	T.	.03			T.	.24	.75		.25			T.			.08		.89				.03	.62					.03					2.92
Union	Meramec	T.					.93		.07						.25		.66							.15									2.06
Valley Park[2]	...do	T.					.62	.22	.13				.05		T.	.12		T.						.23					.05		T.	T.	1.42
Van Buren	Black					.09	1.11		.15						.03		.60	.03															2.01
Wappapello Dam[2]	St. Francis	T.				.10	.77	.20		.05						.07		.40				.24	.08						.12		T.		2.03
Weingarten[2]	Mississippi						.42	.37								.12		.34															1.25
West Plains[4]	Black	.10		.10	.15	.48	.58	T.	T.			T.			T.		.14													T.	T.		1.55
Williamsville[2]	...do			.08		.27	.87	.51	.09				.07			.11		.25				.27		.03									2.55
Willow Sprgs. (near)[2]	White		.13	.10	.25		1.62	.14				.03			.03			2.37															4.67
Zalma (near)	Mississippi	T.			T.	.03	.68	.13							.07						.40												1.31
Cairo, Ill.[1]‡	...do	T.	.67		T.	.03	.23		T.			.02			.02		.43	.37					T.								T.		1.77

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖‖ Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Steffenville, Tarkio, Wappapello Dam, Warsaw, and Washington University(St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for May 1941

(See precipitation data in daily precipitation table)

Station	Data	Day of month																															Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside (Osage Dam)	Evaporation	.030	.073	.142	.136	.127	.186	.185	.266	.305	.080	.181	.239	.166	.332	.377	.337	.130	.236	.222	.234	.265	.282	.252	.288	.224	.242	.130	.384	.242	.180	.249	6.722
	Mean temperature	67	70	71	72	65	70	64	68	54	58	63	58	64	75	80	74	65	64	70	74	76	76	69	62	66	72	74	78	73	76	78	69.2
	Wind movement	36	24	13	32	42	47	39	62	71	23	21	34	21	69	113	82	47	30	24	21	17	19	40	30	16	18	35	46	36	47	39	1,194
St. Louis (Washington University)	Evaporation	.108	.081	.190	.243	.210	.082	.006	.232	.258	.126	.145	.175	.194	.238	.123	.273	.154	.215	.215	.237	.104	.251	.276	.294	.273	.247	.271	.260	.276	.182	.257	6.196
	Mean temperature	68	70	72	70	68	63	66	64	54	56	59	57	64	70	76	76	62	62	68	74	78	78	68	64	65	71	78	79	79	80	81	69.0
	Wind movement	20	10	24	30	31	52	21	34	53	33	28	41	32	35	50	54	48	49	10	21	7	16	44	50	24	18	31	40	32	19	29	989

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for May 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum...	74	85	82	82	75	80	77	78	68	74	76	74	81	87	88	79	77	83	88	91	90	85	73	78	85	93	90	90	87	91	81	82.1
	Minimum ...	57	57	61	60	60	60	51	48	41	42	44	41	44	53	69	61	48	48	52	57	63	65	59	49	49	52	61	69	68	68	67	55.8
Chillicothe §§	Maximum...	75	84	82	83	77	81	76	71	70	73	76	76	83	90	90	72	77	85	88	91	89	82	72	75	81	89	88	90	89	92	88	81.8
	Minimum ...	55	59	61	60	60	58	49	46	40	43	49	42	49	66	70	61	47	52	55	63	63	65	51	47	52	62	67	66	69	68	68	56.9
Columbia	Maximum...	74	83	80	81	73	78	77	78	67	71	77	73	79	83	90	85	75	79	85	89	92	88	75	76	83	90	88	90	83	88	89	81.3
	Minimum ...	56	60	65	63	61	61	52	50	42	44	49	44	50	67	71	69	50	52	57	67	66	65	57	52	52	62	67	71	71	69	68	58.7
Fayette	Maximum...	70	82	80	80	77	77	75	72	66	70	76	72	79	88	87	81	74	79	87	88	91	86	78	75	82	92	88	88	83	89	85	80.6
	Minimum ...	55	56	60	61	60	59	49	41	39	40	49	43	45	61	71	67	47	49	51	62	63	60	53	47	47	57	62	65	61	67	65	55.5
Grant City	Maximum...	76	81	81	80	77	76	74	67	66	70	72	71	81	90	88	75	75	82	81	87	83	76	68	73	82	86	83	88	87	88	77	79.1
	Minimum ...	56	58	61	57	58	51	45	42	38	44	46	38	52	61	71	55	43	53	59	62	61	62	51	48	54	61	62	66	67	66	61	55.1
Hannibal	Maximum...	74	82	81	81	77	77	75	76	62	68	69	72	78	84	88	80	70	77	85	90	92	89	73	73	81	90	89	90	88	90	89	80.4
	Minimum ...	57	57	58	56	60	57	51	47	40	43	49	45	49	65	70	58	47	49	55	60	68	63	51	50	49	61	66	66	69	69	67	56.6
Kansas City Airport.	Maximum...	75	80	81	78	78	82	77	77	68	73	77	71	80	91	91	77	80	85	87	87	86	81	70	77	86	90	88	89	88	91	78	81.1
	Minimum ...	62	59	62	59	59	60	51	49	45	46	49	47	59	68	70	58	50	62	64	65	63	61	53	50	61	68	66	72	70	68	66	59.6
Kirksville	Maximum...	75	83	82	84	76	77	71	72	63	72	72	73	81	86	87	80	72	82	88	91	87	81	76	74	82	88	87	87	88	91	86	80.6
	Minimum ...	56	55	57	58	57	58	49	48	39	43	48	46	46	65	70	62	47	60	52	61	64	62	51	46	49	61	68	67	67	65	61	56.1
Lawson	Maximum...	72	78	79	77	78	79	71	73	66	72	75	72	79	89	89	80	76	82	86	86	87	80	69	71	83	88	87	89	86	90	77	79.7
	Minimum ...	58	60	62	58	58	57	49	51	40	46	49	45	53	65	69	60	48	52	57	61	61	63	50	46	54	63	67	67	66	67	63	57.1
Louisiana	Maximum...	82	80	83	87	78	75	78	67	68	70	70	75	78	80	92	90	77	80	87	90	92	90	72	74	80	90	92	90	89	90	92	81.9
	Minimum ...	58	60	62	60	54	52	54	57	40	37	42	42	44	64	67	72	52	60	60	67	61	60	50	42	40	52	57	65	67	61	67	55.9
Macon §§	Maximum...	71	81	82	83	75	80	76	78	66	73	74	75	81	87	88	80	75	83	90	93	93	86	74	78	85	92	91	89	88	92	88	82.3
	Minimum ...	51	56	56	59	57	58	48	48	40	42	49	46	51	56	69	61	47	48	54	61	63	64	52	46	47	62	67	66	67	66	66	55.8
Maryville	Maximum...	77	78	77	78	76	77	74	69	63	70	74	73	79	90	88	80	74	80	81	86	81	78	67	71	82	88	84	89	89	86	78	78.7
	Minimum ...	57	59	62	57	57	52	41	45	40	47	48	46	54	63	69	55	50	55	59	64	63	62	51	50	55	63	66	70	68	65	67	56.8
Mexico §§	Maximum...	75	83	83	85	78	78	78	78	67	71	73	74	80	85	90	87	75	81	89	93	95	93	75	77	85	93	90	91	86	93	93	83.1
	Minimum ...	55	56	57	59	60	60	50	49	40	40	48	42	47	54	67	70	47	49	52	59	62	63	54	46	49	56	63	67	70	68	71	55.8
Moberly	Maximum...	75	82	84	85	78	81	79	82	71	70	79	77	82	90	91	84	81	86	89	91	93	94	86	81	84	93	89	90	90	91	85	84.5
	Minimum ...	54	58	62	60	59	48	55	49	42	41	49	54	56	65	68	48	56	61	60	62	61	61	55	46	52	64	58	61	59	62	61	56.5
Oregon	Maximum...	72	82	80	80	77	80	75	70	67	80	76	75	80	93	91	83	80	85	87	88	82	80	70	75	85	89	85	90	92	92	80	81.3
	Minimum ...	58	60	60	57	58	52	47	50	42	46	50	45	55	65	70	56	50	57	60	65	65	63	50	48	57	65	67	70	69	66	66	57.7
St. Charles §§	Maximum...	75	85	81	85	75	68	79	79	69	71	72	74	81	79	92	82	75	78	88	89	95	92	79	77	85	92	88	90	85	92	91	82.0
	Minimum ...	60	56	60	54	62	60	50	50	43	41	50	45	50	64	62	72	55	49	56	67	66	65	61	52	48	55	69	70	70	70	70	58.2
St. Joseph	Maximum...	76	82	81	79	77	80	76	71	67	72	76	71	79	93	91	72	78	85	87	87	84	81	70	75	85	89	86	89	88	88	75	80.4
	Minimum ...	60	61	62	59	59	51	52	48	41	49	50	45	57	67	72	57	48	58	61	65	67	57	53	52	59	68	69	71	68	68	65	58.9
Trenton	Maximum...	76	84	83	82	76	81	75	72	68	72	75	76	82	90	91	89	78	83	88	90	88	83	83	76	83	89	88	90	88	92	85	82.5
	Minimum ...	55	57	62	60	59	57	50	45	39	40	49	43	52	65	70	58	46	50	52	62	61	65	51	50	50	69	65	65	66	68	69	56.2
Unionville §§	Maximum...	72	85	85	85	75	80	76	72	70	71	75	85	85	86	90	71	71	83	87	90	87	78	75	74	81	90	92	87	90	90	86	81.6
	Minimum ...	53	55	58	59	56	56	45	45	36	40	45	42	47	54	62	57	42	48	52	60	63	62	49	45	49	59	63	63	65	65	62	53.5
Warrenton	Maximum...	77	82	83	88	82	73	75	76	75	69	70	71	80	79	90	87	72	79	87	91	92	91	88	75	85	92	89	90	85	90	92	82.4
	Minimum ...	56	57	58	54	58	58	52	48	40	41	51	42	47	62	68	69	50	47	52	64	61	64	60	48	45	56	67	67	71	69	58	56.5
Keokuk, Iowa	Maximum...	75	79	77	84	77	77	72	71	58	65	69	73	75	81	85	78	67	74	84	89	90	81	70	71	79	89	87	89	87	90	89	78.5
	Minimum ...	59	58	59	58	61	59	52	49	42	44	50	46	50	62	72	56	48	52	57	66	69	62	56	53	52	62	67	72	72	70	70	58.2
Southwestern Division																																	
Clinton	Maximum...	78	81	82	80	79	82	77	81	62	74	79	76	83	87	86	81	79	83	88	89	91	87	78	79	87	91	89	91	88	92	91	83.0
	Minimum ...	56	56	60	57	57	58	49	50	41	44	47	41	51	65	70	67	51	50	56	62	63	61	54	47	52	59	65	69	61	66	65	56.5
Eldon §§	Maximum...	..	..	78	80	74	78	72	79	66	72	77	73	80	85	90	81	75	80	88	92	92	89	77	76	84	92	90	91	82	90	92	^{b}81.9
	Minimum ...	..	..	..	61	56	58	53	52	41	41	45	45	49	51	62	69	51	48	57	57	64	62	60	45	46	55	58	61	69	67	65	^{c}55.3
Harrisonville §§	Maximum...	74	78	79	76	78	81	78	79	61	74	80	76	78	88	89	80	79	81	85	86	88	84	75	75	85	90	87	87	84	92	82	80.9
	Minimum ...	57	59	60	59	53	58	49	55	41	45	50	45	53	64	68	64	50	53	53	60	62	63	51	49	54	59	64	66	63	66	66	56.7
Jefferson City §§	Maximum...	75	84	76	81	73	78	73	77	68	73	77	73	80	84	91	81	75	78	84	89	91	89	75	76	82	89	89	90	82	89	91	81.1
	Minimum ...	53	55	58	59	58	56	50	47	39	42	48	43	48	53	54	68	48	46	50	61	61	60	57	48	45	56	63	65	67	67	66	54.6
Joplin	Maximum...	76	81	78	77	76	80	76	80	66	72	76	73	78	85	83	80	76	82	85	83	87	81	76	78	83	86	84	84	82	84	87	79.9
	Minimum ...	60	63	60	58	60	62	58	61	50	49	59	52	56	74	72	64	57	57	64	65	67	67	62	53	60	68	68	72	72	70	69	62.2
Lamar §§	Maximum...	79	83	83	78	80	83	79	84	67	75	79	76	81	86	86	82	80	83	87	85	88	89	77	80	85	89	87	88	84	88	91	82.6
	Minimum ...	54	55	57	55	55	56	54	53	44	44	45	43	43	50	65	66	50	50	58	58	61	61	61	47	49	58	59	64	65	64	64	55.1
Lebanon	Maximum...	77	82	77	77	70	78	75	79	59	70	75	72	78	83	87	80	73	78	85	86	88	88	75	77	82	87	85	87	75	84	89	79.3
	Minimum ...	55	53	58	57	58	58	50	52	39	42	48	41	48	55	55	62	50	47	52	58	63	59	60	47	42	49	62	65	67	64	64	54.2
Lexington §§	Maximum...	73	83	83	80	79	81	78	78	69	76	72	77	81	89	90	78	81	85	89	90	90	84	77	81	87	90	88	90	88	92	80	82.6
	Minimum ...	59	59	62	60	60	60	53	51	42	47	46	47	53	61	69	63	50	52	59	64	65	66	52	49	54	62	67	70	69	69	68	58.3
Marshall	Maximum...	75	82	81	80	75	79	78	75	69	70	75	72	79	86	88	86	78	82	85	88	89	87	83	75	82	89	88	87	87	84	84	81.2
	Minimum ...	56	59	64	58	60	60	50	50	41	45	51	42	45	50	70	63	49	50	52	64	62	66	54	49	55	61	50	66	67	67	67	56.2
Mountain Grove	Maximum...	77	77	74	77	67	74	75	78	69	73	75	75	76	79	84	81	74	74	80	84	85	87	79	75	78	85	80	82	77	81	86	78.0
	Minimum ...	54	58	59	57	59	56	55	54	42	44	49	44	50	57	62	60	59	51	52	63	64	61	61	48	50	59	60	62	64	65	62	56.2
Neosho	Maximum...	78	78	74	78	76	80	80	80	79	74	78	77	79	84	81	81	75	83	85	88	87	87	77	80	86	86	86	84	85	85	90	81.4
	Minimum ...	57	55	58	53	56	59	55	55	49	44	50	42	49	68	68	69	50	48	57	55	62	60	60	49	53	60	62	68	70	65	64	57.1
Nevada	Maximum...	78	86	81	78	81	85	80	80	79	76	79	79	82	87	87	80	82	87	90	85	90	88	80	84	89	92	88	92	89	91	92	84.4
	Minimum ...	55	58	59	56	56	57	52	53	42	41	47	41	51	67	70	69	49	52	60	60	62	62	60	49	54	60	63	69	64	62	68	56.9
Sedalia	Maximum...	77	81	80	81	79	81	80	78	74	75	80	76	82	88	87	86	78	81	88	90	94	89	81	77	87	92	91	92	92	92	91	83.9
	Minimum ...	57	59	64	60	59	60	50	53	40	43	48	43	54	67	71	66	47	52	54	65	64	63	55	51	52	53	67	70	67	63	67	57.5
Springfield	Maximum...	78	79	80	75	69	77	73	78	63	72	73	70	77	84	85	81	74	75	82	84	85	86	76	76	81	86	83	81	75	82	88	78.4
	Minimum ...	56	58	59	58	59	59	55	54	43	44	50	45	50	62	67	60	53	51	56	62	63	60	54	52	51	58	62	67	68	65	63	56.9
Warrensburg	Maximum...	76	81	80	79	78	80	76	81	65	74	80	76	82	89	89	82	78	85	86	87	92	86	79	80	88	91	90	91	86	93	85	82.7
	Minimum ...	58	54	63	59	58	59	49	54	43	44	49	44	55	66	70	64	63	50	59	64	61	65	53	47	53	62	67	68	67	65	61	58.0
Southeastern Division																																	
Arcadia §§	Maximum...	80	79	82	84	74	70	80	81	71	74	76	74	81	76	89	86	76	79	86	91	92	91	82	78	85	91	87	91	84	89	91	82.3
	Minimum ...	50	49	52	52	57	57	54	49	41	38	40	38	37	39	59	59	51	42	43	45	57	59	60	46	38	40	43	62	64	63	66	50.0
Birch Tree(near)	Maximum...	83	82	80	79	76	72	78	81	69	72	76	72	77	80	85	84	74	80	81	87	89	89	83	76	81	87	86	89	82	81	89	80.7
	Minimum ...	43	54	56	57	57	54	56	46	38	43	46	42	40	54	60	58	49	47	49	60	57	56	49	47	43	45	56	63	52	56	59	51.4
Caruthersville §§	Maximum...	83	85	87	85	75	77	77	87	73	72	80	74	79	83	87	90	78	78	90	96	96	95	87	78	86	91	90	93	92	90	87	84.5
	Minimum ...	61	58	61	62	65	63	58	55	48	50	48	47	45	58	66	66	65	52	55	63	67	69	65	58	53	60	68	69	70	67	65	59.9
Crystal City	Maximum...	79	85	83	85	76	72	78	81	66	70	73	73	79	76	90	84	73	75	86	85	92	91	78	78	83	91	88	91	90	89	92	81.7
	Minimum ...	52	51	55	50	55	59	51	47	39	37	43	36	39	51	59	64	47	42	49	45	61	60	53	50	45	41	47	61	51	45	45	49.4
Doniphan	Maximum...	84	88	89	83	75	75	78	85	76	74	80	75	80	80	86	89	78	76	89	92	95	92	85	78	81	92	90	90	88	88	89	84.0
	Minimum ...	53	55	61	60	60	60	57	49	42	43	46	41	39	55	64	60	59	45	45	61	60	61	60	54	41	49	59	62	63	60	60	54.3
Farmington	Maximum...	79	85	85	87	72	73	78	80	73	70	73	71	80	74	88	86	74	79	87	90	92	91	78	74	85	90	89	90	86	90	91	81.9
	Minimum ...	59	55	60	63	59	59	52	49	50	42	43	42	41	59	62	64	51	45	56	59	62	62	65	56	42	47	69	64	71	68	69	56.3
Jackson	Maximum...	80	84	83	82	75	74	78	81	79	68	73	71	77	76	86	87	79	75	85	90	92	92	89	76	83	90	89	91	88	87	88	82.2
	Minimum ...	59	60	57	55	62	62	52	51	39	40	41	39	40	56	66	64	61	45	47	58	64	63	62	54	41	50	63	69	66	68	67	55.5
Poplar Bluff	Maximum...	86	90	89	86	75	77	81	85	72	74	81	75	84	78	88	91	77	80	96	93	96	95	82	79	87	93	92	94	89	90	91	85.4
	Minimum ...	61	58	65	62	62	62	56	55	46	47	50	48	45	60	65	63	62	51	51	65	65	66	65	55	51	56	63	66	68	66	65	58.7
Rolla	Maximum...	76	83	76	80	71	73	74	76	64	68	74	69	78	79	86	80	71	77	85	87	88	87	74	73	80	87	84	85	77	85	89	78.6
	Minimum ...	54	60	61	61	58	58	52	48	42	45	51	45	50	62	64	64	53	50	52	64	64	64	54	49	49	56	66	70	68	68	66	57.0
St. Louis	Maximum...	76	83	80	82	75	70	76	78	62	67	69	70	77	76	89	83	70	75	84	87	92	90	74	75	82	90	88	90	86	90	91	79.9
	Minimum ...	62	63	63	59	60	61	55	53	48	49	54	51	54	62	67	66	55	54	58	68	71	68	62	55	56	63	72	72	75	73	73	61.4
Salem	Maximum...	76	83	77	78	72	69	74	78	70	69	73	68	76	76	85	81	71	75	83	86	88	88	77	72	79	86	83	86	80	84	88	78.4
	Minimum ...	52	52	57	58	58	57	53	52	40	39	44	40	41	48	49	48	54	45	50	60	60	60	60	45	42	52	61	66	68	65	64	52.9
Sikeston §§	Maximum...	87	91	88	88	78	79	82	85	69	74	78	75	83	80	90	94	75	80	91	92	97	94	83	78	90	94	90	95	90	92	92	85.6
	Minimum ...	61	61	59	58	65	61	57	54	43	45	45	43	44	57	65	65	62	50	54	62	65	68	64	54	50	59	61	68	67	67	66	58.1
Union	Maximum...	78	86	84	87	80	72	79	81	69	74	73	75	82	78	90	84	75	79	87	91	92	92	85	77	85	91	88	90	85	89	92	82.9
	Minimum ...	57	51	53	..	55	59	53	48	41	41	44	39	40	59	66	66	52	45	48	58	59	59	62	45	41	46	60	67	64	65	68	53.7
West Plains	Maximum...	79	82	81	78	70	73	76	81	70	74	76	73	79	81	86	86	76	77	86	89	91	91	78	78	82	90	85	89	82	84	89	81.0
	Minimum ...	53	58	54	58	58	58	52	49	43	44	49	44	41	57	57	58	49	43	46	57	57	58	59	46	40	48	58	62	63	63	59	52.9
Cairo, Ill.	Maximum...	80	83	82	82	73	73	75	82	67	68	73	69	78	78	87	88	73	73	84	90	93	91	80	75	84	89	89	92	87	90	86	81.1
	Minimum ...	62	61	61	58	64	63	60	55	50	49	50	49	51	60	69	63	58	53	58	66	67	71	64	57	54	65	71	72	71	71	68	61.0

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^{a}, ^{b}, ^{c}, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 6-26-41—1150.

Continued from page 23

MISCELLANEOUS PHENOMENA

Duststorm.—14th.

Fog.—Dense, 2d, 9th, 10th, 18th, 19th, 20th, 21st.

Hail.—Light, 6th at Maryville; 8th at Sikeston; 14th at Rolla, Union and Warrenton; 15th at Ozark Beach; 16th at Arcadia, Bolivar, Seymour and Van Buren. Moderate, 6th at Conception; 8th at Van Buren; 16th at Bethany; 21st at Brunswick. Heavy, 16th at Jefferson City and Maryville. (See special note.)

Thunderstorms.—Local, 2d, 5th, 8th, 11th, 13th, 15th, 17th, 26th, 27th, 28th; more or less general, 1st, 3d, 4th, 6th, 7th, 14th, 16th, 20th, 21st, 22d, 29th, 30th, 31st.

Windstorms.—14th, 15th, 16th, 26th, 27th. (See special note.)

WINDSTORM AT EXCELSIOR SPRINGS

Unusually strong winds prevailed over the northwestern part of the State during the night of the 15-16th, and a very high wind struck the business section of Excelsior Springs during the early morning of the 16th. Some press reports classify this storm as a tornado, but evidence from other sources does not justify the use of this term. Damage during the storm in Excelsior Springs is estimated at between $5,000 and $10,000. A part of the roof of a theater building was blown off, windows were smashed and dozens of awnings carried away. Damage was held down materially by the fact that no rain or fire followed the storm. During the same morning a rather destructive hailstorm caused considerable damage over an area twenty miles by one and one-half miles, of which Maryville was the center. Stones at Maryville were as large as golf balls. Gardens and crops were damaged, and many windows broken, but no definite estimate of the amount of damage is available.

ERRATA

April 1941, page 18: Precipitation departure at Eldon should be +2.62. Greatest daily range at Sedalia should be 37. Total precipitation at Rolla should be 6.62; departure +2.40. Page 20: Precipitation at Rolla on 5th should be .01; total, 6.62. Page 21: Minimum at Rolla on 24th should be 45.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

Vol. XLV June 1941 No. 6

Price: 5 Cents a Copy; 25 Cents a Year

GENERAL SUMMARY

Temperature during the month averaged above normal in all parts of the State, except in southwestern and extreme southern counties and in scattered areas elsewhere. Rather warm weather prevailed throughout the State after the 18th, but a cool spell preceded this warm period, with night temperatures below 50° in many sections. The last day of the month was the warmest, while the 14-16th were the coolest generally.

Except for a few localities in central and extreme northwestern portions of the State, where rainfall averaged from two to three inches above normal, due to heavy local downpours, precipitation was deficient, especially in southeast portion and in south-central counties. Totals in some instances were as much as 2.50 to 3.00 inches below normal. Most of the rainfall occurred during the first half of the month, with another shower period in most sections on the 27-28th.

Temperatures were favorable at the beginning of the month for crop growth, and general rains during first week helped replenish much of the topsoil moisture in western half of the State, but droughty conditions continued in east-central sections, where rain was badly needed. During the second week general rains definitely broke the drought in the eastern half of the State, while some damage was caused in northwest portion by flooding of rivers and washing rains; thousands of acres of growing crops in lowlands along the Missouri and Grand Rivers were flooded. Cool weather and lack of sunshine retarded crop growth somewhat during middle of month.

Wheat that survived the winter freeze improved generally, and harvest began about the middle of the month; it was practically completed by the end of the month, except in northwest part of State, where less than one-half had been harvested. Threshing of wheat started at the beginning of July. Corn was coming up fine at the beginning of month, and it made good to excellent progress during the second and third weeks, with weather conditions during last week quite favorable for growth and cultivation. That which had been replanted, owing to floods, was coming up and making rapid progress.

Dry weather had a disastrous effect on the oat crop, causing it to head prematurely, but increased moisture during second week helped considerably.

Meadows, pastures and ranges were suffering from the drought during the first week. They improved after the general rains of the first ten days, and they showed excellent progress during the third week. However, lack of moisture was again having its effect at the end of month.

Truck crops and vegetables showed excellent growth by the third week, but rain was needed in some areas, and at the end of the month some deterioration had begun. A fairly good crop of potatoes was being marketed at end of month.

Cherries were ripening during the first week.—A. A. R.

TEMPERATURE

The monthly mean for the State, 91 stations reporting, was 74.1°, or 0.5° above normal. The highest monthly mean was 79.6° at Wappapello Dam, and the lowest monthly mean was 70.6° at Tarkio. The highest recorded was 103° at Sikeston on the 30th, and the lowest was 43° at Goodland on the 16th. The greatest daily range was 46° at Greenville on the 21st.

PRECIPITATION

The average for the State, 156 stations reporting, was 4.23 inches, or 0.40 inch less than normal. The greatest local monthly amount was 8.21 inches at Jerome, and the least local monthly amount was 0.67 inch at Cape Girardeau. The great-

(Continued on page 34)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.92*	30.17*	22	29.66*	11	6.0	20	w.	9	85*	60*	61*	61
Kan. C. Airport	29.89	30.16	22	29.65	9	9.9	31	sw.	9	81	56	56	67
St. Joseph	29.89*	30.16*	22	29.66*	11	7.9	35	w.	9	93*	65*	68*	63
St. Louis	29.93*	30.18*	21	29.66*	11	9.5	30	nw.	11	72	48	51	67
Springfield	29.94	30.18	22	29.66	10	9.3	30	se.	10	89	59	65	70
Cairo, Ill.	29.94	30.19	21	29.68	3	6.7	27	sw.	13	80	50	..	84
Keokuk, Iowa	29.91§	30.16	21	29.64	11	6.6	24	ne.	30	75	51	..	68

* Data for Airport Station. § 7:30 a. m.

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	72.6	103	36	5.81	5.98	5.96	5.50	0	7	..	..	..
1889	70.7	100	38	4.66	4.29	4.57	5.13	0	6	..	..	..
1890	77.2	106	44	2.45	3.14	2.49	1.71	0	6	..	..	..
1891	73.2	103	46	6.56	5.61	7.99	6.08	0	13	..	..	..
1892	74.5	100	45	3.09	3.04	3.72	2.52	0	7	15	9	6
1893	72.6	98	40	4.72	4.92	3.91	5.32	0	9	12	12	6
1894	74.5	105	35	3.74	4.28	4.92	2.03	0	7	16	11	3
1895	73.3	100	42	5.87	6.07	6.33	5.20	0	10	12	11	7
1896	72.5	101	45	3.98	3.32	3.63	5.00	0	9	12	11	7
1897	73.6	102	38	6.25	6.49	5.74	6.51	0	12	9	14	7
1898	75.3	100	49	5.92	6.32	6.54	4.90	0	11	13	12	5
1899	74.3	101	42	3.92	3.71	4.83	3.21	0	9	15	10	5
1900	73.3	103	44	5.05	3.71	5.06	6.37	0	10	12	12	6
1901	77.9	106	40	2.02	2.67	1.47	1.92	0	6	18	10	2
1902	70.9	100	37	6.42	6.64	6.95	5.68	0	12	11	10	9
1903	67.3	95	36	3.28	2.96	3.78	3.09	0	9	15	9	6
1904	70.5	93	45	6.68	5.31	8.23	6.51	0	11	12	12	6
1905	75.2	103	42	3.14	2.84	3.06	3.52	0	7	15	10	5
1906	72.7	101	40	4.82	3.28	6.62	4.55	0	10	15	9	6
1907	71.2	97	40	5.47	5.76	6.40	4.24	0	11	14	10	6
1908	72.3	98	43	6.01	6.92	6.78	4.33	0	11	13	10	7
1909	73.9	98	48	5.23	5.96	5.78	3.95	0	11	11	13	6
1910	70.4	99	38	4.11	3.08	4.69	4.57	0	8	16	7	7
1911	78.9	112	43	1.76	0.93	1.59	2.77	0	6	18	8	4
1912	69.5	100	42	4.77	3.31	5.39	5.62	0	9	14	8	8
1913	75.4	107	33	2.55	3.01	2.31	2.32	0	6	18	8	4
1914	79.3	106	43	2.26	3.11	2.50	1.17	0	5	18	7	5
1915	70.8	98	38	6.45	7.53	7.24	4.57	0	12	11	10	9
1916	70.0	100	42	5.86	5.05	6.50	6.04	0	10	14	9	7
1917	71.0	103	35	3.67	5.72	2.20	3.10	0	8	19	7	4
1918	77.2	110	48	3.09	3.04	3.20	3.04	0	7	17	8	5
1919	75.0	104	44	5.58	5.04	6.24	5.47	0	11	14	10	6
1920	72.7	104	41	2.35	3.09	2.14	1.83	0	6	18	7	5
1921	76.6	105	44	5.81	4.74	7.74	4.96	0	12	12	10	8
1922	76.5	108	43	1.61	1.72	1.39	1.72	0	5	19	8	3
1923	73.5	103	45	5.56	5.30	6.52	4.87	0	11	14	9	7
1924	72.5	101	38	7.27	8.53	7.70	5.57	0	14	12	12	6
1925	76.5	103	46	5.99	7.68	4.99	5.31	0	9	15	10	5
1926	70.9	101	37	3.60	5.02	3.79	1.99	0	8	15	9	6
1927	70.3	99	41	5.81	5.38	6.77	5.28	0	10	15	7	8
1928	67.7	91	40	11.25	8.59	11.03	14.12	0	15	8	11	11
1929	71.3	99	39	5.69	6.57	5.98	4.52	0	10	16	8	6
1930	72.4	109	36	3.77	5.17	4.63	1.52	0	7	18	8	4
1931	77.1	107	40	2.75	4.09	1.81	2.35	0	6	19	8	3
1932	75.2	103	47	4.81	5.53	6.09	2.82	0	10	12	12	6
1933	78.4	107	38	1.47	2.89	0.92	0.61	0	3	22	6	2
1934	80.4	108	47	2.82	2.92	2.72	2.83	0	7	17	10	3
1935	69.6	98	39	8.95	6.73	11.06	9.07	0	15	9	12	9
1936	76.5	112	40	1.42	1.30	1.38	1.57	0	4	21	6	3
1937	74.4	105	43	4.93	3.43	5.79	5.56	0	10	14	10	6
1938	72.4	98	44	4.77	4.20	5.04	5.06	0	10	13	11	6
1939	74.6	99	41	5.64	7.70	5.38	3.83	0	12	11	13	6
1940	73.5	98	44	4.36	4.24	5.10	3.75	0	8	13	10	7
1941	74.1	103	43	4.23	4.79	5.12	2.78	0	9	14	9	7
Period	73.6	112	33	4.63	4.68	4.99	4.22	0	9	14	10	6

Natural History Library

Climatological Data for June 1941

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	46	71.8	− 0.2	94	30	50	15	30	48	6.64	+1.58	3.20	0	10	16	3	11	se.	A. S. Cumming
Brunswick	Chariton	652	60	74.5	+ 1.5	96	22	55	16†	30	62	6.99	+1.88	1.97	0	7	17	3	10	sw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	3	72.7	......	97	30	51	16	31	11	4.09	−0.69	1.21	0	12	16	6	8	sw.	Lockmaster
Chillicothe	Livingston	779	32	73.6	+ 1.3	96	30	53	15	30	35	4.34	−0.39	1.30	0	10	14	4	12	sw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	42	74.0	+ 1.6	96	30	52	16	30	32	4.11	−0.28	1.75	0	10	16	5	9	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	51	74.8	+ 1.4	95	25	51	16	30	51	4.36	−0.40	1.29	0	10	11	10	9	s.	U. S. Weather Bureau
Conception	Nodaway	980	52	72.6	+ 1.1	97	30	51	4†	31	57	3.83	−1.12	1.24	0	10	11	12	7	s.	Fr. Adelhelm Hess
Edgerton	Platte	856	21	72.8	+ 0.9	95	30	52	4†	35	30	5.57	+0.70	2.43	0	12	16	2	12	s.	Fred L. Stiff
Elsberry	Lincoln	449	10	73.9	− 0.5	98	29	45	16†	41	10	3.81	+0.37	0.95	0	10	13	12	5	sw.	Ray E. Mills
Fayette	Howard	760	61	73.0	+ 0.2	95	25†	50	16	31	58	3.03	− 1.54	1.15	0	12	16	6	8	s.	Irvin E. Schnell
Fulton	Callaway	818	53	74.6	+ 1.4	95	21†	52	15	34	49	6 29	+1.89	1.70	0	11	13	8	9	sw.	Clyde C. Herring
Grant City	Worth	1,134	37	71.2	+ 0.4	96	30	48	15	28	49	7.80	+2.80	3.87	0	9	11	11	8	sw.	Howard Rybolt
Hannibal	Marion	759	49	74.3	+ 1.8	95	21†	54	13	29	57	2.72	−1.18	1.38	0	8	11	5	14	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	52	74.8	+ 1.2	97	30	56	13	27	52	6.79	+1.80	3.17	0	9	12	7	11	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	3	73.6	......	96	30	52	15†	36	3	4.88	......	1.23	0	11	11	12	7	s.	University of Kansas City
Kidder	Caldwell	1,020	49	71.6	− 0.2	93	30	51	15	27	53	6.78	+1.81	2.11	0	10	18	4	8	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	52	73.0	+ 1.3	97	30	52	16	32	59	4.72	−0.34	2.04	0	12	14	9	7	sw.	Howard Coons
Lawson	Ray	1,070	3	72.5	......	93	30	53	15	25	3	7.19	......	3.80	0	11	7	15	8	sw.	Elmer E. Lamb
Louisiana	Pike	469	47	73.8	+ 1.7	96	26†	44	16	35	60	6.11	+1.88	2.90	0	8	14	7	9	w.	Stark Bro's Nurseries
Macon	Macon	875	42	74.0	+ 1.6	99	25	51	16	34	48	4.80	+0.08	1.10	0	11	18	3	9	sw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	51	71.7	+ 1.9	97	30	50	15	27	47	5.43	+0.32	2.19	0	11	16	1	13	se.	R. B. Montgomery
Memphis	Scotland	787	2	72.3	......	95	30	51	14†	31	11	4.63	−0.50	1.70	0	12	9	9	12	sw.	John W. Alexander
Mexico	Audrain	800	52	74.8	+ 1.6	98	25	48	16	34	63	5.29	+0.55	1.60	0	11	21	0	9	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	4	73.7	......	97	22	52	15	31	4	3.66	......	2.10	0	8	17	6	7	sw.	Beverly Coomes
Oregon	Holt	1,048	85	72.8	+ 0.6	97	30	52	15	31	85	6.33	+0.96	2.33	0	13	14	10	6	se.	Miss Mina Wright
St. Charles	St. Charles	520	53	76.2	+ 2.3	100	30	52	16	37	63	1.62	−2.38	0.48	0	10	18	11	1	sw.	Martin L. Comann
St. Joseph	Buchanan	957	31	73.3	− 0.4	96	30	55	13†	27	69	6.23	+1.28	4.01	0	12	9	8	13	s.	U. S. Weather Bureau
Steffenville	Lewis	650	43	73.6	+ 1.0	98	30	51	16	36	48	4.12	−0.42	0.90	0	12	13	13	4	e.	Frank Hall
Tarkio	Atchison	916	38	70.6	− 1.2	98	30	52	14†	31	47	7.36	+2.40	3.41	0	10	17	2	11	sw.	Albert Volker
Trenton	Grundy	822	45	73.7	+ 1.5	97	80	53	15	32	46	3.24	−1.80	1.88	0	9	17	7	6	s.	W. H. Estes
Unionville	Putnam	1,062	48	72.6	+ 1.3	96	30	49	15	33	48	6.08	+0.89	1.90	0	11	18	2	10	sw.	John H. Schick
Warrenton	Warren	816	59	75.2	+ 1.8	97	26†	51	16	32	51	3.33	−0.45	1.02	0	7	7	14	9	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	69	73.8	+ 1.3	96	30	53	16	27	69	3.51	−0.62	2.04	0	11	9	8	13	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**73.4**	**+ 1.0**	**100**	**30**	**44**	**16**	**41**	..	**4.79**	**+0.11**	**4.01**	**0**	**10**	**14**	**7**	**9**	**sw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	37	71.4	− 1.3	90	21†	48	17	37	42	6.86	+0.93	4.77	0	6	11	16	3	e.	E. S. Taylor
Appleton City	St. Clair	813	46	73.1	− 1.3	95	30	52	14	30	49	6.33	+1.31	2.24	0	9	12	2	16	sw.	Rolla Brown
Bolivar	Polk	1,071	38	73.4	+ 0.6	94	30	53	14	29	46	5.25	−0.06	2.04	0	12	14	11	5	sw.	Southwest Baptist College
Boonville	Cooper	650	3	73.8	......	93	25†	54	14	26	64	3.63	−1.42	1.43	0	6	16	2	12	sw.	Boonville Water Dept.
Carthage	Jasper	962	7	73.2	......	92	23†	50	16	32	17	5.96	......	2.93	0	12	15	12	3	sw.	Carthage W. and E. Plant
Clinton	Henry	786	48	74.2	+ 0.4	97	30	52	14	31	54	4.23	−0.67	1.85	0	10	0	23	7	sw.	U. S. Weather Bureau
Eldon	Miller	934	46	73.6	+ 0.6	94	25	53	14	32	42	6.26	+2 22	1.78	0	13	5	14	11	nw.	E. H. Shepherd
Harrisonville	Cass	904	63	73.2	+ 0.1	96	28	50	15	29	66	5.45	+0.66	1.62	0	9	4	11	15	sw.	John H. Patterson
Jefferson City	Cole	557	51	73.4	− 0.4	94	22†	51	14†	32	59	4.16	−0.07	1.98	0	12	20	3	7	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	19	71.2	+ 0.8	91	23†	56	14	22	36	6.94	+0.94	2.28	0	9	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	10	74.5	− 0.5	95	25†	55	16	33	10	7.63	+3.02	2.57	0	10	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	53	72.4	− 1.8	95	30	50	14	36	60	6.13	+0.59	1.85	0	6	17	5	8	nw	Jesse A. Mann
Lebanon	Laclede	1,265	53	72.4	− 0.3	93	21	49	16	32	54	3.57	−1.60	1.30	0	11	11	10	9	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	56	75.0	+ 2.1	97	30	55	15	26	57	6.75	+2.20	2.86	0	8	19	5	6	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	35	73.6	0.0	97	30	52	14†	35	45	5.56	−0.12	2.12	0	10	13	11	6	sw.	Hubert A. Nieman
Marshall	Saline	779	54	73.8	+ 0.6	97	30	55	13†	30	51	3.58	−1.22	2.10	0	6	18	8	4	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	40	72.8	+ 1.0	94	30	50	16	31	44	2.86	−2.08	1.72	0	10	3	26	1	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	29	72.4	− 0.9	95	30	49	16	35	41	3.95	−1.31	2.00	0	7	7	13	10	se.	G. H. Boswell
Neosho	Newton	1,011	51	73.2	− 0.6	92	30	50	16	33	58	6.63	+0.66	4.19	0	9	12	9	9	s.	U. S. Fisheries Station
Nevada	Vernon	862	48	74.4	+ 0.9	95	30	54	16	31	49	5.89	+0.44	1.93	0	8	19	5	6	sw.	Henry Kraft
Ozark Beach	Taney	700	1	75.2	......	98	30	51	16	34	16	3.35	−2.53	2.35	0	6	22	1	7	.....	V. Smith
Sedalia	Pettis	910	28	75.2	+ 1.0	96	30	54	14†	30	30	5.31	+0.03	2.03	0	8	19	3	8	se.	Dr. J. E. Cannaday
Seligman	Barry	1,542	40	71.4[a]	− 1.0	89	30	53	13†	27	38	5.57	+0.62	2.72	0	8	16[a]	10[a]	3[a]	s.	Floyd E. Fawver
Seymour(near)	Webster	1,642	35	71.2	− 0.5	92	30	47	16	32	35	4.02	−1.32	2.29	0	11	15	6	9	se.	A. L. Hailey
Springfield	Greene	1,301	53	72.3	− 0.2	92	30	50	16	31	53	4.07	−0.61	1.59	0	9	8	12	10	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	0	74.2	.....	97	30	53	17	32	0	3.60	......	1.36	0	9	14	11	5	s.	H. F. Nelson
Warrensburg	Johnson	878	54	74.4	+ 0.5	96	25	53	15	33	61	5.10	+0.04	1.70	0	10	12	7	11	sw.	E. A. Markey
Warsaw	Benton	687	40	74.7	+ 0.9	97	30	52	16	33	46	4.75	−0.55	0.95	0	11	9	18	3	s.	Everett Martin
Division means	**and extremes**	.....	..	**73.5**	**0.0**	**98**	**30**	**47**	**16**	**37**	..	**5.12**	**+0.13**	**4.77**	**0**	**9**	**13**	**10**	**7**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	4	75.2	......	98	26†	48	16†	45	4	2.64	......	1.30	0	8	13	13	4	sw.	U. S. Weather Bureau
Arcadia	Iron	926	60	74.0	+ 2.2	100	30	41	16	43	63	2.46	−1 68	0.59	0	11	17	8	5	.....	Arcadia College
Birch Tree(near)	Shannon	1,000	46	73.4	+ 0 7	96	30	46	16	35	47	3.44	−0.97	1.27	0	6	20	8	2	s.	V. H. Kirkendall
Campbell	Dunklin	314	15	77.8	+ 2.3	99	30	50	16	33	15	3.31	−0.93	1.34	0	12	14	15	1	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	45	78.3	− 0.1	99	30	55	15	32	49	1.39	−2.42	0.45	0	7	27	0	3	s.	Victor T. Malloure
Crystal City	Jefferson	420	7	73.1	......	99	30	46	16	43	7	2.37	......	1.27	0	7	5	13	12	s.	Frank Magre
Doniphan	Ripley	344	37	75 0	0 0	100	26	47	16	42	37	2.85	−1.51	1.27	0	7	18	6	6	sw.	Boyce Lackey
Farmington	St. Francois	896	30	75.6	+ 2.8	98	30	48	16	33	44	2.67	−1.21	1.03	0	10	7	10	13	s.	F. M. Karsch
Goodland	Iron	1,000	48	72.5	+ 0.6	99	30	43	16	42	48	2.31	−1.75	0 80	0	7	15	13	2	s.	F. M. Adams
Greenville	Wayne	381	32	74.8	+ 1.2	101	30	47	16	46	34	2.18	−2.51	1.20	0	4	10	18	2	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	50	75.6	+ 1.5	98	30	47	16	44	51	1.84	−2.85	1.17	0	3	14	15	1	s.	L. R. Crites
Koshkonong	Oregon	958	40	73.4‖	− 1.0	96	30	..	..	..	41	3 43	−1.07	1.32	0	7	10[b]	11[b]	7[b]	sw.	R. M. Hitt
Licking(near)	Texas	1,170	4	73.2[a]	......	97	30	46	16	38	4	2.53	......	1.25	0	6	15[a]	13[a]	1[a]	sw.	U. S. Forestry Service
Marble Hill	Bollinger	470	46	76.3	+ 2.3	102	30	48	16†	45	48	1.59	−2.89	0.80	0	5	14	15	1	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	36	77.9	+ 2.5	101	26†	54	16	37	37	2.71	−1.41	0.93	0	7	11	17	2	se.	B. R. Wheetley
Rolla	Phelps	1,202	41	73.4	+ 0.4	93	26†	51	13	27	57	5.01	+0.60	1.52	0	17	8	11	11	sw.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	104	77.3	+ 2.3	97	30	57	16	24	104	2.52	−1.30	1.26	0	8	12	9	9	sw	**Section Center**
St. Louis Airport	St. Louis	556	4	75.7	......	99	30	52	16	34	10	2.54	......	0.92	0	10	12	9	9	sw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	29	77.4	+ 2.2	99	30	56	16	24	29	2.59	−1.00	1.01	0	9	23	3	4	se.	St. Louis University
Salem	Dent	1,173	37	73.0	+ 0.6	97	30	46	16	36	40	1.57	−3.08	1.12	0	6	13	17	0	s.	E. E. Martin
Sikeston	Scott	318	34	78.2	+ 3.9	103	30	52	16	37	44	1.81	−2.38	1.06	0	7	10	20	0	sw.	Mrs. Hazelle P. Young
Union	Franklin	520	3	74.4	......	96	22†	46	16	41	24	3.95	−0.35	1.64	0	12	12	5	13	s.	Robert Mueller
Wappapello Dam	Butler	475	2	79.6	......	99	30	56	16	32	2	3.07	......	1.43	0	10	24	2	4	sw.	J. E. Harns
West Plains	Howell	1,005	4	73.6	......	96	30	50	16†	37	4	3.93	......	1.51	0	9	9	14	7	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	0	73.2	......	97	30	48	16	39	34	3.37	−1.46	1.59	0	7	17	7	6	nw.	G. W. Yarnell
Cairo, Ill.	Alexander, Ill.	315	69	77.6	+ 1.3	95	30	58	15	29	70	1.18	−2.65	0.79	0	9	6	15	9	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**75.4**	**+ 1.4**	**103**	**30**	**43**	**16**	**46**	..	**2.78**	**−1.44**	**1.99**	**0**	**8**	**14**	**11**	**5**	**sw.**	
State means	**and extremes**	.....	..	**74.1**	**+ 0.5**	**103**	**30**	**43**	**16**	**46**	..	**4.23**	**−0.40**	**4.77**	**0**	**9**	**14**	**9**	**7**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for June 1941

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Northern Division																																	
Albany	Grand	.07	1.93	.13			.11		.50	2.04				.11		.01							.04					.04	.05				5.03
Amity[2]	....do	T.	.28	.04	T.	T.	T.	.21	T.	2.77	.58	.01	T.	.02	T.		T.												.71				4.62
Bethany	....do	.12	1.33	.28			.60	.21	.43	3.20	.41	.04																.02					6.61
Bowling Green[2]	Mississippi			1.00	.32				1.07	1.00																		1.80	.73				5.92
Brunswick[2]	Grand	1.77	.03	.68				T.		1.97	.76													.33					1.45				6.99
Canton, Lock No. 20[2]	Mississippi	.29	.02	1.07	.01			.01		.90	1.21	T.	.05	T.	.01	.06								.01	T.				.45	T.			4.09
Centralia[2]	....do.	.07		.69						.87	.63																		2.08	.12			4.46
Chillicothe[2] ......(A)	Grand	.28	.01	.38	T.			.19	T.	1.30	1.23		.01	.04	.04	T.													.86				4.34
Clifton Hill	Chariton	.06	.82				.07		.17	1.75	.08		.05		.05													.94	.12				4.11
Columbia[1]‡	Missouri	.18	.78	.02			.28		.75	1.10	T.	.09	.13	T.	T.													.73	.30				4.36
Conception	....do	.15	.60	.21			.54	.03	.73	1.24		.21	T.	T.	.03													.06					3.83
Edgerton	Missouri	.15	.05	.23			.25	.01	1.79	2.43		.07	T.	.11														.15	.23		.10		5.57
Edina[2]	Mississippi	.21		.14	T.			.13		.64	1.44	.04	.06		T.									.95					.35				3.96
Elsberry	....do	.26	.30	.51					.25	.10	.80		T.	T.										.95				.39	.15	.10			3.81
Farber[2]	....do		.15						.20	1.00																		.60					1.95
Fayette	Missouri	.22	.26	.03					.63	1.15	.08	.09	.12	.03	T.												.03	.22	.17				3.03
Fulton[2]	....do	.31	.03	T.				.18		.52	1.35		.06	.12	.01										.71				1.70	1.50			6.29
Gallatin[2]	Grand	.31		.65	.05			T.		1.82	.79	T.	T.	.12															.24				4.08
Gorin	Mississippi		.63	.12				.14	T.	2.58		.24	T.		.06													T.	.33		T.		4.10
Grant City	Grand	.06	2.50	1.37			.22	.08	.41	3.06		.05		.05		T.												T.	T.				7.80
Hannibal[4] ......(A)	Mississippi	.01	.03	T.			.04		.06	1.32	T	.03	T		T													1.08	.15				2.72
Hermann[2]	Missouri	.51		.28	.08					.17	1.67				.03									1.00	.15				.27	1.38			5.54
Kahoka[2]	Mississippi	3.15	.06		.52			.16		2.30					.26	T.													.38		.42		7.25
Kansas City Airport[1]‡	Missouri	.07	.18	.08			.04	T.	1.21	2.51	T.		.05	.05	T.								T				T.	2.60	T.		T.		6.79
Kansas City University	....do	.19	.18	.25					1.21	1.21	.02		.04	.01									T.	T.				.70	1.02		.02		4.88
Kidder[2]	Grand	.20		2.00	.22			.11		2.11	1.17		.14	.08	T.		.02												.73				6.78
King City	Missouri	.12	1.17	T.			.11		.63	2.98		T	.03	.10	T.													.10					5.25
Kirksville	Mississippi		.10	1.83	.01		.01	.15	.21	2.04		.12		.02	.01													.06	.16				4.72
LaBelle[2]	....do	.20	.54					.29		.41	1.46		.06																.56				3.52
Lawson	Missouri	.33	.42	.05			.08	.05	1.90	3.80			T.	.02		T.												.38	.08		.08		7.19
Linneus[2]	Grand	.19		.63				.10		.90	.97	.05	.05	.05	.02														1.22				4.18
Louisiana ......(A)	Mississippi		.85	1.05					.45	.60	.20	.06																1.40	1.50				6.11
Lucerne[3]	Grand	.32		3.33				.14		1.98	1.16	.84		.02	T.														.11				7.90
Macon[2]	Chariton	.47		1.10	.02			.14		1.09	.79	.06	.05	.07	.01														1.00				4.80
Madison[2]	Mississippi			.55				T.		.65	.50		T.											.63					.85	T.			3.18
Maryville	Missouri	.19	.55	.70			.60	.29	.61	2.19	.15	.03		.11														.01					5.43
Memphis[2]	Mississippi	.67		.48	.06			.12		.95	1.70	.05	.05	.08	.03														.21	.23			4.63
Mexico[2]	....do	.28		.75	.15			.20		.60	1.10	.03	.45	.05															1.60	.08			5.29
Milan[2]	Grand	.10	.18	.07	.03			.60		1.10	2.52	.10	.22	.02	.03														.73				5.70
Moberly	Mississippi		.14	T.			.03		.15	67		.23	.12	T	T.												T.	2.10	.22				3.66
Monroe City	....do	.04		.12	.03					1.48	.19	.61		.29													T.	.30	.28				3.34
Oregon	Missouri	1.14	.54	.01			.38	.04	.61	2.33		.63	.04	.12	.06								.34				T.	.06					6.33
Palmyra[2]	Mississippi	.60		.10	T.			.03		1.10	1.10	.20	.20	.17	T.	T													.70				4.20
Paris[2]	....do	.65		.48	.01			.10		.59	.74		T.	T.	T.														.31	.01			2.89
Perry[2]	....do	.15		.10	.05			.15	.05	.45	1.35	.05																	.40		.25		3.00
Philadelphia[2]	....do		.10	.05			.12		.05	2.10	.15	.45	.22	.05	T.												.05	.95					4.29
Platte City[2]	Missouri	.50		.54	.05		.16	.04	*	3.29	.53	.19		.05															2.10				7.45
St. Charles[2]	....do			.12	.27					.48		.17	.02	.02	.01	.03								.24						.26			1.62
St. Joseph[1]‡	....do	.07	.48	.04			.17	.04	.71	4.01	.17	.06	.06	.04	T.												T.	.38			T.		6.23
Saverton, Lock No. 22[2]	Mississippi	.86		.05	T.			.11		.70	1.16	T.	.03	T.		T.							.55						1.32	1.25			6.03
Shelbina	....do		.17	.29		.07			.06	1.25	.07	.58	.04															.10	.28				2.91
Shelbyville[2]	....do			.76						1.03	.53	.43																	.27				3.02
Steffenville[2]	....do	.03	.90		.03		.05		.65	.65	.67	.13		.25	.01													.52			.23		4.12
Tarkio	Missouri	.19	.18	.20			.51	.26	.51	3.41		.58	.18										1.34										7.36
Trenton	Grand		.09	.01			.03	.31	.59	1.88		.11	.07															.15					3.24
Troy[2]	Mississippi	.18	.20	.38	.13					.44	1.02	.10		T.										.04					.05	.06			2.60
Unionville[2]	Chariton	1.20		.90	.13			.50		1.90	.80	.32	.04	.05	T.	.02													.22				6.08
Warrenton	Mississippi	.67	.04	.73						.37	1.02	T.																.10	.40				3.33
Keokuk, Iowa[1]‡	....do	.01	.58	.04			.04	T.	T.	2.04	.05	T.	.04	T.	.31													.33	.05		.02		3.51
Southwestern Division																																	
Altona[2]	Osage			.41				.30		.57	1.26		T.											T.		.55			.33				3.42
Anderson (near)	Neosho	.92		.12			.90	T.	T	4.77	.04		T.	T.										.11									6.86
Appleton City	Osage	1.14	.34	.20			.55		1.55	1.71	.53		.11											.20									6.33
Bloodland[2]	Gasconade	.19		T.	T.			T.		1.02	1.32		.06	.08									T.		.42				1.47				4.56
Bolivar	Osage	1.11	.01	.33	.01		.74		.10	.93	1.11			.03		T.								.33	.37			T.	.18				5.25
Boonville[2] ......(A)	Missouri			.35				.03		1.43	1.02			.05															.75				3.63
Buffalo[2]	Osage	.56		.17				.14		2.30	1.53														1.20				.39				6.29
Butler[2]	....do	2.40		.15	.03		.30	.11		.42	1.69												.01						.32				5.43
Caplinger Mills	....do	T.	.20	T.		T.	.62	.30	.09	1.70			.16	.05										T.				1.00					4.12
Carthage	Neosho	1.70					.64		.03	.89	2.04			.02	.01							.50		.03	.06			.02	.02				5.96
Clinton[4]	Osage	.70	.08	.05			.43		.93	1.75	.10		.02	.01														.16					4.23
Concordia[2]	Missouri																																....
Crocker[2]	Osage	1.10	.47	.15	.16		.03			1.05	.90	.02	.21	.12	.20	T.									1.02				.90				6.33
Eldon[2]	Missouri	.70	.13	.11	.31			.37		.70	1.57		.15	.14	.11										.15		.04		1.78				6.26
Eldorado Springs	Osage	1.95		.04			.86		.20	1.20	.86		T.	.06										T.	.04			.09	.10				5.40
Galena[2]	White	.68	.22					.17	T.		2.91				.12								.14		.26				.15				4.65
Hailey	....do	.85	.80	.18			.18	.21	.10	.08	2.64			T.	.09							.03	.76	.11									6.03
Harrisonville[2]	Osage	1.62	.49	.02			.07	.11		1.09	1.43			.10															.52				5.45
Higginsville[2]	Missouri	1.00	.63	.29			.03	.06	1.00	.44	.58		.04																.26				4.33
Jefferson City[2]	....do.	.11	.05	.01				.15		.55	.80	T.	.03	.03	.02										.30				1.98	.13			4.16
Joplin[3]	Neosho	1.61					.90		.07	2.28	1.25			.05										.53	.02			.23					6.94
Lakeside[2]	Osage	.73	.47	T.	.20			.16		2.00	1.16		.03	.04	T.	T.									.27	T.			2.57				7.63
Lamar[2]	Neosho	1.80	T.	.80				.85		T.	1.85												T.		.15				.68				6.13
Lebanon	Osage	.37	.10	.03	.13			.15		.23	1.30	.02		.08											.82				.34				3.57
Lexington[2]	Missouri	1.50		.45	.20			.19		2.86	.95			.10															.50				6.75
Lockwood	Osage	1.73		.25			1.09		.05	.85	1.27		.07	.04										T.	.16	.05		T.					5.56
Manes[2]	Gasconade	.02	.06	.05	.04			.07		.29	1.91	.02	.03										.18		.09				2.02				4.78
Marshall	Missouri	.37	.35	.25						2.00	.10	T.	T.															T.	.51				3.58
Mountain Grove	White	.04	.02	.33				.03			1.72	.23		.22								.06	.12		.09								2.86
Mount Vernon	Neosho	1.10		.05			.55			*	2.00				.10									.15									3.95
Neosho	....do	1.35	.02	.04			.77	T.	T.	.78	3.41	T.		.21								T.			.01			.04					6.63
Nevada	Osage	1.73	T.	.13			1.00		.63	1.18	.75			.04										.43					T.				5.89
Osceola[2]	... do	1.10		.86				.43		.86	1.95	.17			.17	.03					.05				.50				.33				6.45
Ozark Beach[2]	White		.47								2.32	.03			.25							.02			.26								3.35
Pleasant Hill[2]	Osage	1.19		.32	T.		.03	.16		1.01	.85		T.	.15				T.						.03					1.33				5.07
St. Thomas (near)[2]	....do	.65	.09		.46					1.09	1.49			.21	.19										.61				.79				5.58
Sedalia	Missouri	.73	.02	.02			.05		1.40	.86	.20		T.																2.03				5.31
Seligman	Neosho	.97	.23				.35	.48		.04	2.68												.06	T.			T.		.76				5.57
Seymour (near)	White	.26	.03	.18			.63	.04	.19	.17	2.12	.10												.20					.11				4.02
Springfield[1]‡	....do	.44	T.	.10	.01		.08		.03	.96	.76			T.							T.			1.59				.10					4.07
Stover[2]	Missouri	.80			.41			.35		.65	1.50																		1.93	.10			5.74

Continued on next page

Daily Precipitation for June 1941—Continued from preceding page

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Southwestern Division—	*Concluded*																																
Sweet Springs	Missouri	.57	.03	.51	....	....	.03	....	.82	1.36	.03	....	.03	...	T.	....	....	....	....	....	....	....	....	....	....	T.	....	T.	.22	....	....	....	3.60
Warrensburg	...do	.89	.04	.06	....	....	.12	....	1.70	1.18	.08	....	.04	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	.26	.73	....	....	....	5.10
Warsaw (A)	Osage	.95	.53	.25	....	....	.28	....	.59	.68	.95	....	....	.05	....	....	....	....	....	....	....	....	....	.10	.03	....	....	....	.34	....	....	....	4.75
Wasola	White	T.	.20	....	....	....	....	....	....	....	1.39	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	....	....	....	....	....	1.69
Waverly²	Missouri	1.65	....	.92	.04	....	....	.05	....	2.20	1.05	....	....	.09	....	....	....	....	....	....	....	....	...	.40	....	....	....	....	.55	....	....	....	6.95
Southeastern Division																																	
Advance⁴	St. Francis	.09	.41	T.	....	....	....	.43	T.	.09	.24	....	.01	....	....	....	....	....	....	....	....	T.	1.30	....	....	....	.07	....	T.	....	....	....	2.64
Alton (near)	Black	....	.26	....	....	....	.23	.03	....	....	.60	.06	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	....	....	....	....	‖1.48
Annapolis	St. Francis	.10	.50	.04	....	....	....	.11	....	1.30	.81	.03	....	....	....	....	....	....	....	....	....	.05	.11	....	....	....	....	.89	....	....	....	....	3.94
Arcadia²	...do	....	.59	.09	.42	....	....	T.	.07	.37	.29	.29	.13	....	....	....	....	....	....	....	....	....	.09	.08	.04	....	....	....	....	....	....	....	2.46
Belleview	Meramec	....	.40	.80	.30	....	....	....	.34	....	.33	.15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2.32
Birch Tree (near)	Black	.87	.34	....	....	....	....	....	.16	....	1.27	....	....	....	....	....	....	....	....	....	....	....	....	.18	.62	....	....	....	....	....	....	....	3.44
Bragg City²	St. Francis	.32	....	1.63	....	....	....	....	....	....	....	.24	....	....	....	....	....	....	....	....	....	....	.64	....	....	....	....	....	....	....	....	....	2.83
Campbell	...do	....	1.34	.10	....	....	....	.04	....	.52	.48	.01	....	.05	....	....	....	....	....	....	T.	.02	.33	.07	....	....	....	.06	.29	....	....	....	3.31
Cape Girardeau²	Mississippi	....	.28	.01	....	....	....	T.	....	....	.31	.05	....	....	....	....	....	....	....	....	....	....	.02	T.	....	....	....	....	....	....	....	....	0.67
Caruthersville²	...do	....	.40	.13	.26	....	....	....	.10	....	.40	.05	....	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.39
Centerville²	Black	....	.30	.56	.16	....	....	T.	....	1.51	.77	.02	....	....	....	....	....	....	....	....	....	....	.15	....	.20	.03	....	....	....	....	....	....	3.70
Crystal City	Mississippi	.04	....	.60	....	....	....	....	.02	....	1.27	T.	....	....	.04	....	....	....	....	....	....	T.	....	.25	....	....	....	....	.15	T	....	....	2.37
Cuba²	Meramec	....	....	.40	.23	....	....	....	....	.23	1.14	....	....	....	.11	....	....	....	....	....	....	....	....	....	....	....	....	....	.35	....	....	....	2.46
Dexter²	St. Francis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Doniphan	Black	....	1.27	.09	....	....	....	....	.05	.72	.42	....	.20	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	T.	....	....	....	....	2.85
Farmington	St. Francis	.80	.23	.43	.02	....	....	.06	....	.20	.78	.02	....	....	....	....	....	....	....	....	....	.04	....	.09	....	T.	....	....	....	....	....	....	2.67
Fisk²	...do	....	.17	.79	.16	....	....	T.	....	1.12	.14	.35	.09	T.	....	....	....	....	....	....	....	....	T.	1.14	....	....	....	....	....	T.	....	....	3.96
Fredericktown²	...do	....	.48	.15	.03	....	....	....	....	....	.30	.16	....	....	....	....	....	....	....	....	....	....	....	.09	....	....	.12	....	....	....	....	....	1.33
Gerald²	Meramec	....	....	.05	....	T.	....	....	....	.08	1.72	....	....	.03	.23	....	....	....	....	....	....	....	....	....	....	....	....	.48	.44	....	....	....	3.03
Goodland	Black	....	.29	.42	....	....	....	.06	....	.19	.80	.30	....	....	....	....	....	....	....	....	....	.25	....	....	....	....	....	....	....	....	....	....	2.31
Greenville	St. Francis	....	.52	....	....	....	....	T.	....	1 20	.31	....	....	....	....	....	....	....	....	....	....	....	.15	....	....	....	....	....	....	....	....	....	2.18
Jackson	Mississippi	....	1.17	T.	....	....	....	T.	....	T.	.09	T.	....	....	....	....	....	....	....	....	....	....	.58	....	....	....	....	....	....	....	....	....	1.84
Jerome²	Gasconade	1.37	.44	.35	.23	....	....	....	....	.92	1.99	.11	.21	.09	.36	....	....	....	....	....	....	....	....	....	.22	....	....	....	1.82	.10	....	....	8.21
Koshkonong	Black	.47	.47	....	....	....	.05	....	....	....	1.32	....	....	....	....	....	....	....	....	....	....	.03	....	1.07	....	....	.02	....	....	....	....	..	3.43
Leeper²	...do	....	.40	.10	....	....	....	T.	....	1.43	.35	.30	....	....	....	....	....	....	....	....	....	....	....	.12	....	....	....	....	.43	....	....	....	3.13
Licking (near)	Gasconade	....	.25	.23	....	....	....	....	.26	...	1.25	.33	....	....	....	....	....	....	....	....	....	....	....	....	.21	....	....	T.	T.	....	....	....	2.53
Marble Hill	Mississippi	....	.43	.10	....	....	....	....	....	.19	....	....	....	....	....	....	....	....	....	....	....	....	.80	....	....	....	.07	....	....	....	....	....	1.59
Meramec Park²	Meramec	.09	....	.59	....	....	....	....	....	.46	1.98	....	....	....	....	....	....	....	....	....	....	....	....	.55	....	....	....	....	.14	....	....	....	3.81
Morehouse	Mississippi	....	1.47	.15	....	....	....	.06	....	.79	.16	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2.63
New Madrid²	...do	....	.52	1.31	T.	....	....	....	T.	.04	....	.44	....	.06	T.	....	....	....	....	....	....	....	....	.18	....	....	....	....	....	.02	....	....	2.57
Owensville²	Gasconade	....	....	....	1.14	....	....	....	....	.35	.84	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.94	.44	....	....	3.71
Pacific²	Meramec	T.	T.	T	.30	....	T.	....	.15	T.	1.05	T.	.70	.15	....	....	....	....	....	....	....	....	T.	.44	....	....	....	T.	....	.30	....	....	3.09
Parma²	St. Francis	....	.09	.65	.03	....	....	..	.09	.31	.15	.32	.49	.58	....	....	....	....	....	....	....	....	....	.06	....	....	.06	....	....	T.	....	....	2.83
Perryville²	Mississippi	....	.10	...	.25	....	....	....	....	....	....	.20	.20	....	....	....	....	....	....	....	....	....	....	.25	....	....	.45	....	....	....	....	....	1.45
Poplar Bluff² (A)	Black	....	.28	.24	...	....	....	....	....	.14	.56	.46	.93	....	....	....	....	....	....	....	....	....	....	.10	....	....	....	T.	....	....	....	....	2.71
Richwoods²	Meramec	.50	....	.60	.10	....	....	....	....	.38	1.70	.08	.04	....	....	....	....	....	....	....	....	....	....	1.25	....	....	....	....	.80	....	....	....	5.45
Rolla⁴	...do	.02	.25	.24	.01	....	.02	....	.75	1.41	.15	.01	.10	.09	....	....	....	....	....	....	....	.02	....	.27	.01	.11	T.	1.52	.03	....	....	....	5.01
St. Louis:																																	
City Office¹‡	Mississippi	T.	.24	T.	....	....	....	T.	.05	1.24	.02	.10	T.	.01	.03	T.	....	....	....	....	....	T.	....	T.	....	....	....	T.	.83	....	....	....	2.52
Airport⁴‡	Missouri	T.	.32	.04	....	....	T.	....	.06	.85	.20	.81	.01	T.	.03	....	....	....	....	....	....	T.	....	....	....	....	....	.11	.11	T.	....	....	2.54
St. Louis Univ.³‡	Mississippi	....	.15	.19	....	....	....	....	.04	.77	.10	.26	....	T.	.03	....	....	....	....	....	....	T.	....	....	....	....	....	.04	1.01	...	....	....	2.59
Washington Univ.²‡	...do	....	....	.04	.10	....	....	....	....	.03	.82	.05	.07	.03	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	.28	1.15	....	....	2.59
Salem	Meramec	T.	.04	.03	.03	....	....	....	.35	....	.97	.15	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.57
Sikeston²	Mississippi	....	.11	.95	.08	....	....	T.	....	....	.42	.11	...	.03	....	....	....	....	....	....	....	....	T.	T.	....	....	....	T.	....	.11	....	....	1.81
Union	Meramec	.10	.05	.03	....	....	....	....	.05	.08	1.56	.13	....	.13	.05	....	....	....	....	....	....	T	....	.01	....	....	....	.91	.85	....	....	....	3.95
Valley Park²	...do	....	....	.28	.05	....	....	....	....	T.	.84	.02	.11	.06	.03	T.	....	....	....	....	....	....	.39	.06	.08	....	....	....	T.	.02	....	....	1.94
Van Buren	Black	1.14	.25	....	....	....	....	T	T	.02	.58	....	....	....	....	....	....	....	....	....	....	.25	....	....	....	....	....	T.	....	....	....	....	2.24
Wappapello Dam²	St. Francis	....	.19	.11	T.	....	....	.03	.08	1.11	.32	.44	.30	.09	....	....	....	....	....	....	....	....	....	.40	....	....	....	....	....	T.	....	....	3.07
Weingarten²	Mississippi	.80	...	.58	....	....	....	....	....	.31	.33	.38	....	....	....	....	....	....	....	....	....	....	....	.36	.09	....	....	....	....	....	....	....	2.85
West Plains⁴	Black	1.47	.05	.09	....	....	.24	.03	.04	.72	.79	....	T.	....	....	....	....	....	....	....	....	T.	...	.50	....	....	....	....	T.	....	....	....	3.93
Williamsville²	...do	.	.24	.28	....	....	....	....	....	.84	.04	.43	...	....	....	....	....	....	....	....	....	....	....	.58	....	...	....	.09	....	....	....	....	2.50
Willow Sprgs. (near)²	White	1.50	.09	.04	....	....	....	.03	....	....	1 58	.05	....	....	....	....	....	....	....	....	....	...	.08	....	....	....	....	...	....	....	....	....	3.37
Zalma (near)	Mississippi	....	.34	T.	....	....	....	.01	....	.06	.36	....	....	....	....	....	....	....	....	....	....	...	.34	....	....	....	....	....	....	....	....	....	1.11
Cairo, Ill.¹‡	...do	.23	.56	.01	....	....	....	.01	T.	.03	.68	T.	.03	.02	....	....	...	....	....	....	....	.21	....	T.	....	T.	....	....	T.	....	....	....	1.18

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

¹ First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ³ Precipitation is for 24-hour period, midnight to midnight. ⁴ Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖‖ Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Steffenville, Tarkio, Wappapello Dam, Warsaw, and Washington University(St. Louis),

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for June 1941

(See precipitation data in daily precipitation table)

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Monthly
Lakeside (Osage Dam)	Evaporation	.220	.104	.108	.152	.202	.281	.110	.238	....	.182	.150	.272	.150	.120	.086	.201	.199	.234	.259	.281	.273	.279	.241	.230	.235	.282	.248	....	.210	.316	....	6.285
	Mean temperature	74	74	72	71	72	70	74	74	77	74	71	68	64	62	69	68	77	72	72	76	78	78	80	78	80	80	80	80	82	84	..	74.5
	Wind movement	50	16	18	68	23	22	60	53	36	49	44	100	98	112	98	22	7	11	31	21	22	19	11	28	11	16	20	56	40	31	..	1,193
St. Louis (Washington University)	Evaporation	.257	.129	.055	.146	.242	.260	.262	.244	.196	.154	.051	.169	.173	.067	.077	.166	.229	.236	.252	.284	.274	.155	.298	.295	.243	.154	.241	.258	....	.267	....	6.040
	Mean temperature	76	76	74	70	72	72	80	78	78	74	76	68	63	62	67	64	68	72	74	78	80	82	82	80	82	84	86	80	84	86	..	75.6
	Wind movement	24	12	9	51	41	19	44	29	18	22	13	18	28	27	19	24	25	11	11	13	13	7	13	20	22	5	7	14	11	15	..	585

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for June 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	81	82	68	82	86	75	87	80	83	81	80	72	66	68	77	83	85	88	88	92	95	96	90	93	91	91	92	89	95	96	..	81.8
	Minimum	66	66	66	60	60	60	66	61	62	66	65	60	57	58	56	55	55	68	63	62	65	71	68	69	68	68	73	74	74	77	..	64.2
Chillicothe §§	Maximum	82	81	71	82	84	74	79	76	82	81	76	70	65	68	77	81	85	87	88	91	93	95	92	90	94	95	92	88	94	96	..	83.7
	Minimum	65	67	66	57	58	65	64	59	64	65	61	59	56	56	53	54	55	61	60	65	69	67	68	67	65	69	74	68	70	77	..	63.6
Columbia	Maximum	81	81	78	82	84	80	84	81	84	82	81	70	66	68	76	81	84	86	88	91	93	93	92	91	95	93	94	87	92	94	..	84.6
	Minimum	65	67	63	59	59	68	66	65	67	66	65	59	55	54	56	51	56	62	65	66	72	68	69	68	69	73	73	69	77	77	..	65.0
Fayette	Maximum	83	80	76	81	83	78	82	81	83	81	79	74	65	70	76	80	83	85	86	90	91	91	90	90	95	95	94	87	93	95	..	81.0
	Minimum	64	65	63	59	56	66	59	61	64	64	62	58	51	51	53	50	54	56	57	60	67	61	67	66	64	69	70	68	78	74	..	62.0
Grant City	Maximum	81	75	83	79	79	73	72	68	77	79	73	66	61	69	76	80	82	82	84	88	90	91	87	89	90	91	92	88	92	96	..	81.1
	Minimum	62	58	58	56	58	65	61	55	60	61	58	56	51	56	48	52	51	60	61	64	65	65	66	62	67	76	70	66	73	75	..	61.3
Hannibal	Maximum	82	78	69	82	85	81	84	84	85	82	83	71	64	72	74	78	83	87	88	93	95	95	89	90	95	95	95	87	94	95	..	84.6
	Minimum	66	66	60	57	60	64	61	60	61	66	63	59	51	56	57	56	57	62	66	64	69	70	70	70	67	72	69	69	71	72	..	64.0
Kansas City Airport	Maximum	81	81	70	82	83	71	83	76	82	79	71	71	67	68	80	82	85	86	88	92	94	94	91	92	94	93	90	91	94	97	..	83.8
	Minimum	67	61	63	58	61	61	66	62	65	62	61	59	56	58	57	63	58	68	70	73	74	73	69	70	73	76	68	68	77	72	..	65.8
Kirksville	Maximum	82	81	70	81	84	79	78	71	81	81	76	67	65	70	75	79	84	87	87	91	94	94	89	90	96	94	92	89	95	97	..	83.5
	Minimum	61	65	61	57	60	64	63	56	66	65	57	57	56	59	53	52	51	60	60	63	67	67	69	66	64	67	72	68	70	75	..	62.6
Lawson	Maximum	79	80	73	79	82	73	78	71	80	80	71	70	65	65	76	79	83	83	84	88	90	91	88	89	91	91	89	87	91	93	..	81.5
	Minimum	61	61	61	57	62	66	64	60	63	61	58	57	54	55	53	58	60	62	61	65	69	68	68	64	68	72	68	67	74	75	..	63.5
Louisiana	Maximum	90	87	75	80	84	82	85	85	85	85	78	73	64	74	75	75	80	85	87	92	95	95	95	90	95	96	95	90	96	96	..	85.5
	Minimum	61	64	60	60	54	60	60	50	65	61	67	60	58	52	52	44	57	57	62	67	67	64	67	70	60	70	70	70	70	76	..	62.0
Macon §§	Maximum	83	80	66	83	85	80	83	80	84	83	80	69	64	69	77	80	86	87	87	91	94	95	93	91	99	95	93	90	95	98	..	81.7
	Minimum	64	65	61	57	57	65	65	58	64	65	61	58	54	54	53	51	54	62	62	63	68	69	69	68	65	75	72	67	69	75	..	63.2
Maryville	Maximum	79	80	72	78	78	71	71	71	75	79	74	68	62	66	76	80	85	81	81	89	91	91	89	91	90	91	89	87	94	97	..	81.2
	Minimum	63	63	62	57	60	67	61	55	62	65	56	55	54	56	50	54	58	58	60	64	65	68	66	66	68	69	71	64	75	75	..	62.2
Mexico §§	Maximum	85	82	75	82	87	82	86	87	86	83	84	84	65	72	76	81	85	89	90	91	96	96	91	92	98	97	95	89	94	96	..	86.6
	Minimum	65	66	65	57	57	64	66	60	65	65	64	59	54	53	54	48	53	59	63	63	68	68	67	66	64	72	73	67	70	75	..	63.0
Moberly	Maximum	85	80	71	85	85	87	86	80	82	80	77	75	68	66	80	82	83	86	88	92	94	97	91	92	95	91	89	86	92	93	..	83.9
	Minimum	61	64	63	59	57	66	64	61	59	61	58	56	54	53	52	56	58	64	62	61	67	69	68	66	66	71	70	68	70	72	..	62.5
Oregon	Maximum	81	82	73	81	82	77	75	75	76	80	74	70	65	69	79	80	82	87	87	91	91	89	89	93	94	93	89	93	95	97	..	83.2
	Minimum	64	62	61	55	61	61	60	58	62	64	56	54	53	55	52	56	60	62	61	69	63	62	62	63	70	71	70	65	75	75	..	62.3
St. Charles §§	Maximum	83	82	79	87	89	85	89	89	81	80	81	74	67	69	79	80	88	90	93	97	94	98	91	94	95	96	95	92	98	100	..	87.4
	Minimum	68	70	66	60	57	60	71	65	69	69	68	62	58	57	53	52	54	59	60	60	67	67	71	70	69	73	71	73	73	72	..	65.1
St. Joseph	Maximum	81	82	73	82	83	72	76	75	77	79	72	65	65	69	77	81	85	85	86	90	92	93	91	92	93	93	88	89	93	96	..	82.5
	Minimum	65	64	60	58	62	66	61	60	64	61	59	56	55	56	55	55	58	65	67	71	70	70	70	66	72	71	69	68	77	70	..	61.2
Trenton	Maximum	83	83	73	83	84	78	77	75	82	83	77	71	65	68	78	83	87	88	88	91	94	95	91	91	95	94	92	91	96	97	..	81.4
	Minimum	65	66	65	56	57	66	64	58	62	65	59	58	56	57	53	54	55	59	59	62	63	66	67	67	67	70	74	69	73	77	..	63.0
Unionville §§	Maximum	82	80	70	83	84	77	75	78	80	85	77	66	65	73	78	82	87	87	87	91	93	95	92	90	95	94	95	90	95	96	..	84.1
	Minimum	62	65	60	53	57	64	62	55	52	59	62	55	53	51	49	51	51	60	60	62	67	66	65	65	66	69	72	67	69	75	..	61.0
Warrenton	Maximum	85	82	79	75	86	86	84	91	88	87	83	78	69	70	75	79	83	87	90	95	95	95	95	90	95	97	95	88	95	97	..	86.5
	Minimum	65	68	65	60	59	60	69	63	65	66	66	58	55	55	56	51	56	59	60	63	69	67	67	68	68	72	72	69	71	75	..	63.9
Keokuk, Iowa	Maximum	83	78	66	77	82	83	80	76	80	79	80	70	62	71	71	77	81	86	87	91	96	93	86	88	93	95	90	85	94	96	..	82.6
	Minimum	67	66	61	58	62	65	64	59	56	67	66	62	57	58	58	53	57	65	69	66	70	73	71	70	68	75	72	71	74	72	..	65.1
Southwestern Division																																	
Clinton	Maximum	83	83	76	83	84	73	83	84	88	79	76	74	70	70	78	82	86	87	88	92	93	93	92	94	95	94	91	93	93	97	..	85.1
	Minimum	64	67	63	59	59	66	65	65	65	64	63	57	55	52	53	56	58	60	59	61	67	66	66	63	69	70	70	69	74	73	..	63.4
Eldon §§	Maximum	83	82	79	81	84	78	83	86	85	84	81	71	68	69	72	81	82	86	87	92	92	93	93	91	94	93	91	87	91	92	..	84.4
	Minimum	65	65	66	59	57	62	66	63	66	65	66	59	55	53	54	56	54	57	60	60	63	63	67	64	66	69	70	69	70	74	..	62.8
Harrisonville §§	Maximum	81	80	75	80	81	70	83	78	83	77	77	71	69	68	78	83	85	85	86	89	91	90	93	91	92	92	87	96	93	92	..	83.2
	Minimum	63	64	63	55	61	64	62	63	64	63	60	55	54	53	50	58	60	61	60	66	73	65	66	65	71	73	71	67	69	74	..	63.1
Jefferson City §§	Maximum	85	81	79	82	85	80	85	88	86	80	81	73	67	70	77	81	85	86	88	92	93	94	94	91	91	94	93	88	92	93	..	85.2
	Minimum	64	64	63	55	56	64	65	60	63	63	63	57	54	51	53	51	54	57	58	60	66	63	66	64	65	69	70	66	68	72	..	61.5
Joplin	Maximum	81	80	75	78	82	76	80	82	86	72	75	74	73	69	74	80	83	81	85	87	88	88	91	88	90	88	85	88	88	91	..	81.9
	Minimum	66	69	67	62	62	66	67	70	66	65	66	60	57	56	58	58	61	65	63	68	69	66	70	69	70	74	75	74	77	78	..	66.5
Lamar §§	Maximum	81	83	77	80	83	72	83	82	89	74	78	75	75	70	76	85	86	86	88	90	94	94	94	92	94	91	88	89	90	95	..	84.5
	Minimum	62	62	64	57	55	57	61	63	68	61	61	54	54	50	52	52	54	56	58	58	58	62	65	64	62	64	68	67	69	72	..	60.3
Lebanon	Maximum	85	82	78	77	85	73	85	86	89	80	80	71	70	66	74	80	84	85	87	91	93	90	90	90	92	91	92	91	92	92	..	84.0
	Minimum	63	64	64	58	54	61	63	64	66	62	61	56	53	50	53	49	53	58	55	60	65	61	63	59	64	66	69	68	71	70	..	60.8
Lexington §§	Maximum	81	82	77	83	84	72	83	77	85	82	77	70	67	69	79	83	86	86	87	92	94	96	93	93	95	93	91	90	94	97	..	84.6
	Minimum	66	68	65	59	62	67	65	62	63	66	64	59	57	57	55	58	60	65	63	68	71	70	71	69	70	73	75	69	71	78	..	65.5
Marshall	Maximum	83	80	74	78	85	83	82	81	76	81	81	73	69	66	73	77	87	88	87	90	91	91	90	89	94	92	91	89	88	97	..	83.5
	Minimum	65	65	65	60	61	59	66	61	61	66	56	56	55	55	55	55	57	61	63	65	72	65	68	67	70	74	72	78	76	76	..	64.2
Mountain Grove	Maximum	83	82	78	79	80	81	83	83	90	81	79	73	70	70	75	79	84	80	84	88	89	89	88	90	90	92	92	90	92	94	..	83.6
	Minimum	64	65	65	58	55	60	64	62	69	62	62	57	55	53	53	50	53	59	60	65	66	61	65	60	68	68	70	69	69	70	..	61.9
Neosho	Maximum	90	85	82	88	86	82	83	84	84	73	75	79	75	78	84	80	84	84	85	90	90	90	90	90	90	90	90	88	88	92	..	85.0
	Minimum	64	65	66	60	53	63	63	67	65	63	62	58	55	51	51	50	53	53	54	63	64	59	61	60	63	67	70	72	72	73	..	61.3
Nevada	Maximum	79	83	80	83	85	81	81	81	87	75	76	74	74	75	80	84	87	87	89	91	94	93	94	93	93	92	89	92	92	95	..	85.4
	Minimum	64	67	65	59	59	63	65	66	66	64	64	58	56	55	60	54	58	60	58	63	68	64	64	63	67	71	70	68	73	73	..	63.5
Sedalia	Maximum	84	81	79	81	85	80	85	94	84	83	78	75	69	70	78	84	87	89	90	92	94	95	93	91	95	95	92	91	93	96	..	86.1
	Minimum	64	66	66	59	59	67	65	64	65	64	64	58	56	54	54	56	58	63	62	66	70	66	67	65	72	72	72	71	72	76	..	64.4
Springfield	Maximum	81	80	74	78	81	76	81	85	88	75	78	71	72	64	76	81	82	83	85	88	90	90	88	88	89	89	88	88	88	92	..	82.3
	Minimum	65	66	63	58	56	64	64	65	65	63	61	57	56	53	55	50	57	59	58	65	65	62	63	61	68	69	69	69	72	71	..	62.3
Warrensburg	Maximum	82	83	77	83	85	72	80	82	86	82	72	66	63	68	86	83	86	82	89	93	94	95	95	93	96	92	91	91	95	94	..	84.5
	Minimum	64	67	65	59	60	64	65	64	65	65	63	57	55	54	53	59	58	62	61	68	63	66	69	66	71	74	72	69	75	75	..	64.3
Southeastern Division																																	
Arcadia §§	Maximum	88	78	84	82	85	84	85	90	91	82	85	80	75	67	78	83	85	86	92	94	95	93	93	96	96	97	97	90	98	100	..	87.6
	Minimum	65	65	63	61	51	53	60	65	67	65	66	58	58	52	56	44	47	48	49	51	60	59	65	65	66	67	69	71	73	73	..	60.4
Birch Tree (near)	Maximum	85	83	81	79	83	83	83	86	90	82	83	81	76	72	76	79	83	83	87	92	91	91	93	93	95	95	91	90	95	96	..	85.9
	Minimum	60	68	62	60	62	61	66	65	66	62	66	55	55	52	51	46	49	50	55	57	61	69	70	69	68	64	60	65	64	71	..	60.8
Caruthersville §§	Maximum	90	82	88	82	85	90	90	93	93	93	87	88	85	83	80	81	84	86	93	95	96	94	94	95	98	97	96	88	96	99	..	90.0
	Minimum	66	70	70	65	62	63	70	70	75	68	71	64	62	59	55	58	56	59	61	64	69	69	65	68	72	76	72	74	72	72	..	66.6
Crystal City	Maximum	84	82	84	81	84	86	86	91	92	79	85	69	69	69	73	84	83	80	95	90	96	97	93	92	95	96	97	93	98	99	..	86.7
	Minimum	63	64	62	55	50	53	66	63	65	67	63	55	53	53	51	46	48	49	52	50	60	61	67	63	65	64	69	69	69	69	..	59.5
Doniphan	Maximum	88	84	89	82	85	89	86	92	92	85	87	84	82	78	79	81	85	87	92	96	95	92	93	95	98	100	95	90	98	99	..	89.3
	Minimum	60	60	65	63	54	55	70	63	68	65	67	58	57	56	50	47	50	50	50	55	62	62	62	62	66	68	65	71	69	70	..	60.7
Farmington	Maximum	89	79	85	80	85	86	84	90	92	83	85	79	69	66	76	79	83	87	92	94	91	92	90	92	94	92	95	89	96	98	..	86.4
	Minimum	67	66	68	61	64	59	70	68	68	67	68	60	58	55	58	48	55	63	59	64	65	67	68	70	72	69	70	72	73	72	..	64.8
Jackson	Maximum	89	82	82	81	84	87	85	90	91	83	86	84	80	74	78	82	84	87	91	96	95	94	92	95	96	97	96	89	97	98	..	88.2
	Minimum	63	67	69	63	53	59	71	67	70	68	68	63	61	54	58	47	48	49	51	52	65	65	65	67	69	72	70	72	73	70	..	63.0
Poplar Bluff	Maximum	85	84	91	84	88	93	86	95	93	80	87	85	84	75	80	83	87	89	95	97	95	96	93	96	98	101	99	92	99	101	..	90.4
	Minimum	65	68	68	65	60	59	73	67	71	67	71	62	61	60	56	54	56	55	58	63	68	67	66	69	71	72	71	74	72	73	..	65.4
Rolla	Maximum	79	79	77	78	83	81	83	85	88	80	81	70	65	64	74	77	80	84	87	90	90	91	89	90	92	93	89	88	91	93	..	83.0
	Minimum	66	66	61	60	62	64	68	66	67	65	62	57	51	54	57	56	59	60	61	63	68	65	66	64	70	72	69	69	74	78	..	63.8
St. Louis	Maximum	84	80	80	80	86	85	86	90	90	79	84	75	67	68	75	78	84	87	90	94	93	95	91	90	95	97	95	90	97	97	..	86.1
	Minimum	71	71	62	61	65	66	74	70	68	68	65	64	61	58	59	57	62	67	66	71	74	74	72	73	75	77	79	72	74	78	..	68.5
Salem	Maximum	84	83	80	80	79	84	84	87	89	79	81	77	67	65	73	78	82	86	87	91	92	91	90	92	94	93	92	92	96	97	..	84.8
	Minimum	64	64	64	64	59	52	68	65	67	64	66	60	56	53	53	46	49	52	53	55	63	59	66	61	66	67	69	69	70	70	..	61.1
Sikeston §§	Maximum	89	81	90	83	88	91	91	95	92	84	89	87	85	79	82	85	88	91	96	98	96	97	97	98	99	99	99	96	100	103	..	91.6
	Minimum	66	68	69	65	57	62	72	68	70	68	70	64	61	60	55	52	53	54	59	63	68	64	64	67	69	70	72	73	73	72	..	64.9
Union	Maximum	84	83	84	84	88	85	88	90	90	79	83	75	68	68	80	83	85	88	92	95	93	96	93	92	95	96	95	90	95	96	..	87.1
	Minimum	65	69	62	60	52	55	71	60	65	66	68	58	56	55	57	46	51	53	54	54	62	61	62	64	64	67	70	75	71	74	..	61.6
West Plains	Maximum	88	83	82	80	85	85	82	86	91	80	82	77	77	68	77	80	83	85	89	92	92	90	87	91	94	95	92	90	94	96	..	85.8
	Minimum	62	66	66	58	54	56	67	64	67	64	64	60	58	57	53	50	50	55	52	58	62	60	65	63	66	66	67	72	68	68	..	61.3
Cairo, Ill.	Maximum	85	81	84	80	82	88	84	90	89	80	86	85	80	76	77	79	82	86	91	95	93	92	91	93	94	94	94	85	94	95	..	86.8
	Minimum	68	69	70	65	63	67	74	70	75	71	72	66	64	62	58	61	59	60	63	66	70	68	68	72	75	74	75	76	75	75	..	68.4

ᵃ, ᵇ, ᶜ, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 7-24-41—1150.

Continued from page 29

est amount in any twenty-four hours was 4.77 inches at Anderson(near) on the 9th. The average number of days with 0.01 inch or more was 9.

MISCELLANEOUS PHENOMENA

Duststorms.—8th.

Floods.—In the Missouri: below Kansas City, 12th-21st; in the Grand: at Chillicothe on 4th; from Gallatin to Chillicothe, 9-13th, and at Brunswick, 10-20th.

Fogs.—Dense, 3d, 4th, 5th, 16th, 17th, 18th, 28th.

Hail.—Light, 8th at St. Joseph; 20th at Bragg City; 23d at Anderson(near) and Springfield. Moderate, 1st at Shelbina; 21st in northwest part of Ripley County.

Halos.—Lunar, 5th, 8th. Solar, 9th, 21st, 26th.

Thunderstorms.—Local, 3d, 5th, 6th, 7th, 13th, 24th, 30th; more or less general, 1st, 2d, 8th, 9th, 10th, 11th, 21st, 22d, 23d, 25th, 26th, 27th, 28th.

ERRATA

May 1941, page 24: mean temperature at Clinton should be 69.6; departure +4.1. Greatest precipitation in 24 hours at Clinton should be 2.56, on May 31 and June 1. Greatest precipitation in 24 hours at West Plains should be 0.97. Page 27: Minimum temperature at Clinton on 16th should be 58; mean minimum temperature should be 56.3. Minimum temperature at Rolla on 16th should be 60; mean minimum temperature should be 56.9.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

W. J. MOXOM
ST. LOUIS, MO.

VOL. XLV JULY 1941 No. 7

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The month opened rather humid and warm, which continued two days, followed by a cool period of three or four days duration, with minimum temperatures in the low fifties at a number of stations. Warmer weather gradually overspread the State after the 15th, and maxima were above 100° during the week beginning with the 22d. Due to generous showers during the early part of the month topsoil moisture continued adequate in most sections, except in east-central and some southern counties, but this moisture was rapidly becoming depleted by the end of the month, and ground was too hard and dry for plowing.

Precipitation was deficient over most of the State during July, the only exceptions being the southern border counties from Taney County eastward, some central sections and the counties bordering the Mississippi River from Lincoln County northward. Rainfall was decidedly deficient in southwestern and extreme northwestern counties, where totals were from three to almost four inches below normal. Most of the rainfall during the month occurred on the first eleven days, with very little thereafter, except in the Southwestern Division; in fact, some stations in the northern half reported no rain after the 11th. All crops needed rain badly at end of month.

Despite the hot weather during the latter part of the month conditions were favorable for growth and cultivation of corn, and it made good progress, except for hillside corn, which fired somewhat at the base. Cultivation was practically completed at the end of the second week, and some of it was tasseling and shooting ears. Corn that had been replanted in flooded areas was making good progress. Wheat had practically all been harvested by the end of the month, with yields generally light. Threshing of oats was about complete at the end of the third week, with good yield and quality reported.

During the first week meadows, pastures and ranges improved, and were in fairly good condition, except for scattered areas in south-central portion of State. Urgent need for rain was felt, however, after the second week, and by the end of the month pastures were short and burned, with some areas not showing enough to feed cattle. Meadows, too, were showing rapid deterioration, except where revived by local rains.

Practically all early planted potatoes had been harvested at the end of the third week, with fairly satisfactory yields, and late planted appear to have good prospects. Home grown sweet corn was being marketed after the middle of the month.

Fruit prospects were generally satisfactory, and a good crop of early peaches was ready for market after the first week.

The last week of the month was characterized by hot weather. There were a few showers of rather generous amounts at widely separated stations in the southeast portion, but they were too local to be of much benefit.—A. A. R.

TEMPERATURE

The monthly mean for the State, 90 stations reporting, was 79.3°, or 1.2° above normal. The highest monthly mean was 83.8° at Wappapello Dam, and the lowest monthly mean was 76.8° at Unionville. The highest recorded was 110° at Steffenville on the 23d, and the lowest was 46° at Memphis on the 13th. The greatest daily range was 43° at Licking(near) on the 7th and at Crystal City and Steffenville on the 17th.

PRECIPITATION

The average for the State, 155 stations reporting, was 2.75 inches, or 0.87 inch less than normal. The greatest local

(Continued on page 40)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.95*	30.19*	4	29.70*	18	5.9	18	se.	10	84*	55*	58*	77
Kan. C. Airport	29.94	30.20	4	29.67	10	8.7	50	nw.	8	78	50	52	77
St. Joseph	29.93*	30.19*	4	29.68*	18	7.0	24	n.	8	88*	56*	65*	77
St. Louis	29.95*	30.17*	13	29.68*	18	9.3	27	sw.	29	72	46	48	78
Springfield	29.96	30.14	4	29.72	10	8.7	42	n.	8	87	52	58	79
Cairo, Ill.	29.94	30.17	20	29.69	18	6.0	24	sw.	18	83	56	..	77
Keokuk, Iowa	29.94§	30.22	13	29.64	18	6.3	34	nw.	10	71	48	..	80

* Data for Airport Station. § 7:30 A. M.

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	79.3	111	50	2.85	4.44	1.50	2.62	0	7	..	..	..
1889	77.1	107	46	4.02	4.22	3.80	4.03	0	8	..	..	..
1890	79.6	110	42	3.04	3.12	3.90	2.10	0	5	..	..	..
1891	72.7	103	45	3.23	4.13	4.16	1.41	0	8	..	..	..
1892	75.8	102	45	4.88	5.27	4.95	4.43	0	9	12	10	9
1893	77.3	103	51	4.67	4.72	6.19	3.10	0	8	14	12	5
1894	76.5	109	42	2.67	1.48	3.43	3.11	0	5	18	10	3
1895	74.4	106	45	6.77	6.36	6.91	7.03	0	10	10	12	9
1896	77.3	108	48	5.51	7.53	4.34	4.66	0	9	15	11	5
1897	78.7	106	48	3.14	4.11	2.70	2.62	0	6	19	9	3
1898	76.1	104	42	5.72	5.00	5.71	6.44	0	9	16	10	5
1899	76.0	102	43	4.50	4.88	4.32	4.30	0	9	15	11	5
1900	76.9	102	46	4.15	3.91	4.58	3.96	0	8	17	10	4
1901	85.4	116	46	2.02	2.23	1.93	1.90	0	5	19	10	2
1902	77.0	103	50	4.10	5.95	4.54	1.80	0	8	17	11	8
1903	77.4	102	51	3.40	2.79	3.56	3.85	0	8	17	10	4
1904	74.2	100	47	4.61	4.86	5.32	3.65	0	10	15	11	5
1905	73.4	101	48	8.07	4.86	9.90	9.46	0	12	12	10	9
1906	74.7	100	48	3.54	2.33	4.11	4.19	0	8	17	9	5
1907	78.4	105	51	4.56	6.62	3.78	3.28	0	8	19	8	4
1908	76.5	101	49	3.36	3.36	3.09	3.64	0	8	18	9	4
1909	76.7	102	41	6.16	7.01	6.33	5.14	0	10	17	8	6
1910	76.8	109	46	5.79	4.79	4.59	7.99	0	9	16	9	6
1911	78.0	113	43	3.68	3.41	4.78	2.86	0	8	16	9	6
1912	78.8	104	52	2.88	2.15	2.53	3.95	0	7	18	9	4
1913	80.2	108	47	3.10	2.52	2.86	3.93	0	7	18	9	4
1914	80.5	109	45	2.67	2.48	3.98	1.56	0	7	17	9	5
1915	74.6	102	42	5.74	9.05	4.39	3.78	0	12	14	9	8
1916	81.6	109	52	1.22	1.28	1.01	1.36	0	3	25	5	1
1917	77.5	107	42	3.08	1.71	3.36	4.18	0	8	20	8	3
1918	77.1	110	41	1.62	1.98	1.89	1.00	0	6	19	8	4
1919	80.0	105	50	2.30	3.00	2.21	1.69	0	5	23	6	2
1920	76.3	105	47	3.30	3.69	3.17	3.05	0	7	18	8	5
1921	80.3	109	46	2.32	2.29	2.39	2.28	0	5	20	8	3
1922	76.8	103	46	5.50	6.87	5.57	4.06	0	8	17	9	5
1923	78.2	105	50	3.16	2.61	4.29	2.59	0	6	18	8	5
1924	73.3	103	40	5.55	4.42	6.65	5.57	0	10	15	11	5
1925	77.9	106	46	2.70	2.56	2.76	2.79	0	7	16	10	5
1926	78.0	108	40	3.07	3.66	2.54	3.02	0	7	17	9	5
1927	75.8	101	48	4.16	2.82	5.38	4.28	0	8	18	9	4
1928	77.2	102	48	2.93	3.47	3.15	2.16	0	7	17	10	4
1929	77.8	104	50	4.03	5.50	2.58	4.01	0	8	16	10	5
1930	81.2	113	42	1.00	0.50	1.48	1.01	0	3	22	7	2
1931	80.3	110	49	3.31	2.83	3.45	3.65	0	7	18	9	4
1932	79.8	109	48	3.61	3.89	4.08	2.85	0	7	19	8	4
1933	79.3	108	49	2.67	1.73	2.44	3.84	0	5	18	9	4
1934	86.2	117	48	1.18	0.82	1.22	1.50	0	4	20	9	2
1935	80.8	104	53	3.30	3.90	2.06	3.94	0	6	20	9	2
1936	85.3	118	44	1.52	0.72	1.48	2.37	0	3	23	6	2
1937	77.9	105	45	4.06	4.80	3.34	4.05	0	8	17	11	3
1938	79.7	110	53	3.50	2.91	2.58	5.00	0	7	19	8	4
1939	80.0	107	51	2.91	3.13	2.24	3.37	0	6	19	9	3
1940	77.7	111	45	1.58	1.47	1.55	1.73	0	4	19	9	3
1941	79.3	110	46	2.75	2.50	3.02	2.74	0	7	16	11	4
Period	**78.1**	**118**	**40**	**3.62**	**3.68**	**3.67**	**3.50**	**0**	**7**	**18**	**9**	**4**

Natural History Library

Climatological Data for July 1941

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Bethany	Harrison	916	46	77.0	+ 0.7	106	24	52	5	34	48	3.37	−0.79	0.74	0	11	19	10	2	se.	A. S. Cumming
Brunswick	Chariton	652	60	78.6	+ 2.5	103	29	56	5	36	62	3.22	−0.89	1.60	0	8	23	3	5	sw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	3	77.0	......	102	29	57	4†	34	11	2.78	+0.45	1.42	0	8	17	11	3	s.	Lockmaster
Chillicothe	Livingston	779	32	78.2	+ 1.2	103	29	56	5†	34	35	2.18	−1.24	0.81	0	7	21	7	3	e.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	42	77.8	+ 1.4	103	29	55	5	35	32	3.04	−0.32	1.63	0	7	18	11	2	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	51	78.7	+ 1.4	102	29	59	5	29	51	4.83	+1.34	2.18	0	7	11	16	4	sw.	U. S. Weather Bureau
Conception	Nodaway	980	52	79.1	+ 2.5	103	23†	54	13	37	57	1.18	−3.49	0.44	0	7	14	16	1	w.	Fr. Adelhelm Hess
Edgerton	Platte	856	21	78.6	+ 2.5	103	24	52	5	35	30	1.39	−2.11	0.49	0	9	20	1	10	s.	Fred L. Stiff
Elsberry	Lincoln	449	10	77.4	− 2.0	101	29	53	5	34	10	4.42	+2.43	2.48	0	5	14	15	2	nw.	Ray E. Mills
Fayette	Howard	760	61	77.4	+ 0.2	102	23†	55	5	34	58	2.62	−0.63	1.16	0	8	20	7	4	s.	Irvin E. Schnell
Fulton	Callaway	818	53	....	......	..	..	..	..	..	49	....	......	....	..	..	..	..	..	......	Clyde C. Herring
Grant City	Worth	1,134	37	77.4	+ 1.2	105	24	54	12	35	49	1.10	−3.53	0.63	0	6	11	18	2	ne.	Howard Rybolt
Hannibal	Marion	759	49	77.4	+ 0.6	102	23	57	3	34	57	4.15	+1.06	1.71	0	7	11	11	9	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	52	80.0	+ 1.9	103	23	59	5	29	52	2.34	−1.79	1.20	0	9	9	16	6	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	3	78.3	......	102	23†	53	5	34	3	2.93	......	1.12	0	9	21	8	2	s.	University of Kansas City
Kidder	Caldwell	1,020	49	77.5	+ 0.9	102	24	54	12	32	53	2.42	−1.46	0.77	0	7	20	9	2	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	52	78.5	+ 2.5	104	24	55	12	29	59	2.95	−1.35	1.22	0	7	21	8	2	sw.	Howard Coons
Lawson	Ray	1,070	3	77.8	......	101	23†	55	12	30	3	2.03	......	0.72	0	9	11	19	1	ne.	Elmer E. Lamb
Louisiana	Pike	469	47	77.4	+ 1.0	102	29	52	4	36	60	5.00	+1.40	3.10	0	3	19	7	5	s.	Stark Bro's Nurseries
Macon	Macon	875	42	78.2	+ 1.0	108	24†	54	5	35	48	1.98	−1.43	0.67	0	8	21	8	2	nw	Mrs. W. C. Brown
Maryville	Nodaway	1,169	51	78.2	+ 2.5	103	23†	54	12	32	47	1.69	−3.54	0.77	0	7	20	5	6	sw.	R. B. Montgomery
Memphis	Scotland	787	2	77.2	......	104	24†	46	13	37	11	3.03	+0.23	1.00	0	6	12	9	10	sw.	John W. Alexander
Mexico	Audrain	800	52	77.6	+ 0.3	104	29	55	5	34	63	5.42	+2.21	3.50	0	5	26	1	4	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	4	78.1	......	102	24†	56	5	33	4	3.32	......	1.30	0	6	21	6	4	sw.	Beverly Coomes
Oregon	Holt	1,048	85	79.6	+ 4.0	106	23	53	12	31	85	0.76	−3.42	0.41	0	6	19	10	2	sw.	Miss Mina Wright
St. Charles	St. Charles	520	53	81.7	+ 3.6	105	24†	59	5†	35	63	0.60	−2.39	0.30	0	4	24	4	3	s.	Martin L. Comann
St. Joseph	Buchanan	957	31	79.4	+ 2.0	103	23	57	12	27	69	1.32	−2.46	0.58	0	9	10	12	9	s.	U. S. Weather Bureau
Steffenville	Lewis	650	43	78.6	+ 0.8	110	23	54	5†	43	48	1.07	−3.04	0.55	0	4	15	14	2	s.	Frank Hall
Tarkio	Atchison	916	38	78.2	+ 1.4	105	23	52	12	35	47	2.03	−2.12	1.47	0	3	15	13	3	sw.	Albert Volker
Trenton	Grundy	822	45	78.6	+ 1.8	105	24	55	5	36	46	2.68	−1.39	1.38	0	9	22	7	2	s.	W. H. Estes
Unionville	Putnam	1,062	48	76.8	+ 0.3	107	24	53	12†	37	48	3.26	−0.86	1.35	0	7	23	6	2	se.	John H. Schick
Warrenton	Warren	816	59	79.7	+ 1.9	103	23†	57	4†	33	51	2.76	−0.38	0.85	0	9	5	22	4	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	69	78.2	+ 1.3	104	29	59	3	31	69	1.85	−1.56	1.11	0	9	14	15	2	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**78.2**	**+ 1.5**	**110**	**23**	**46**	**13**	**43**	..	**2.50**	**−1.18**	**3.50**	**0**	**7**	**17**	**10**	**4**	**sw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	37	78.4	+ 1.1	100	18†	52	5	36	42	1.19	−3.22	0.39	0	6	19	10	2	e.	E. S. Taylor
Appleton City	St. Clair	813	46	79.8	+ 1.6	102	22†	51	5	35	49	2.53	−1.78	0.98	0	7	24	4	3	sw.	Rolla Brown
Bolivar	Polk	1,071	38	80.8	+ 3.5	104	29	55	5	33	46	0.62	−3.10	0.17	0	6	11	19	1	sw.	Southwest Baptist College
Boonville	Cooper	650	3	78.0	......	102	23	57	5	29	64	2.87	−0.37	1.15	0	7	20	7	4	sw.	Boonville Water Dept.
Carthage	Jasper	962	7	80.3	......	100	29	52	5	34	17	1.37	......	0.90	0	4	17	8	6	sw.	Carthage W. and E. Plant
Clinton	Henry	786	48	80.0	+ 1.7	104	29	52	5	36	54	1.00	−2.43	0.67	0	8	0	28	3	ne.	U. S. Weather Bureau
Eldon	Miller	934	46	77.8	+ 0.6	101	29	55	5	35	42	5.07	+1.85	1.49	0	5	14	9	8	se.	E. H. Shepherd
Harrisonville	Cass	904	63	79.4	+ 1.7	103	23†	57	12	33	66	2.48	−1.13	1.24	0	7	11	10	10	sw.	John H. Patterson
Jefferson City	Cole	557	51	77.5	− 0.6	103	29	55	5	32	59	4.51	+1.40	3.30	0	5	25	2	4	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	19	80.7	+ 2.6	97	18	60	5	21	36	0.96	−3.66	0.45	0	5	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	10	79.5	− 1.0	103	23†	54	5	34	10	3.87	+1.72	2.67	0	6	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	53	79.2	+ 0.8	103	23†	52	5†	39	60	1.73	−2.49	1.23	0	3	24	5	2	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	53	78.2	+ 1.3	103	23	50	5	37	54	1.41	−2.55	0.97	0	6	16	9	6	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	56	80.0	+ 2.6	102	23†	58	12	30	57	2.59	−1.42	0.82	0	11	19	10	2	sw.	Miss Carrie Loomis
Lockwood	Dade	1,078	35	81.2	+ 3.6	106	23	52	5	39	45	1.09	−3.67	0.53	0	6	21	9	1	sw.	Hubert A. Niemau
Marshall	Saline	779	54	78.2	+ 0.7	100	23†	53	5	33	51	3.87	+0.30	1.12	0	10	22	7	2	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	40	77.8	+ 1.4	98	1†	55	5	31	44	6.17	+2.28	1.30	0	13	3	27	1	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	29	79.1^{e}	+ 1.4	100	17†	49	5	36	41	1.40	−3.79	0.70	0	4	6^{e}	15^{e}	5^{e}	s.	G. H. Boswell
Neosho	Newton	1,011	54	79.4	+ 1.9	100	25	51	5	37	58	3.96	−0.69	1.81	0	6	18	6	7	s.	U. S. Fisheries Station
Nevada	Vernon	862	48	81.4	+ 1.8	104	29	53	5	36	49	2.07	−1.59	0.91	0	6	25	5	1	sw.	Henry Kraft
Ozark Beach	Taney	700	1	82.4	......	103	18	59	6	37	16	4.86	+1.47	3.03	0	7	18	7	6	......	V. Smith
Sedalia	Pettis	910	28	80.0	+ 2.5	104	29	55	5	33	30	2.43	−2.01	0.95	0	7	24	4	3	ne.	Dr. J. E. Cannaday
Seligman	Barry	1,542	40	78.0^{a}	+ 1.3	95	18†	59	4	30	38	2.31	−1.81	0.93	0	4	20^{a}	8^{a}	2^{a}	sw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	35	77.0	+ 1.5	97	23	53	5	34	35	5.04	+1.10	2.00	0	8	20	8	3	s.	A. L. Hailey
Springfield	Greene	1,301	53	78.1	+ 1.3	99	23	53	5	30	53	3.42	−0.79	1.90	0	7	9	18	4	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	0	78.8^{a}	......	104	29	53	5	34	0	7.38	......	2.79	0	9	15^{a}	12^{a}	3^{a}	ne.	H. F. Nelson
Warrensburg	Johnson	878	54	80.6	+ 1.8	104	23	55	5	35	61	2.55	−1.42	1.49	0	6	15	12	4	sw.	E. A. Markey
Warsaw	Benton	687	40	81.1	+ 2.8	107	23†	53	5	39	46	3.89	−0.12	2.25	0	7	7	23	1	se.	Everett Martin
Division means	**and extremes**	.....	..	**79.4**	**+ 1.7**	**107**	**23†**	**49**	**5**	**39**	..	**3.02**	**−0.65**	**3.30**	**0**	**7**	**16**	**11**	**4**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	4	79.6	......	101	1	58	17†	36	4	3.76	......	1.39	0	11	11	12	8	sw.	U. S. Weather Bureau
Arcadia	Iron	926	60	80.6	+ 4.8	102	1†	53	5	41	63	2.01	−2.11	0.81	0	8	18	10	3	......	Arcadia College
Birch Tree(near)	Shannon	1,000	46	78.9	+ 2.3	101	18	53	5	36	47	2.43	−1.15	0.95	0	9	20	10	1	s.	V. H. Kirkendall
Campbell	Dunklin	314	15	81.8	+ 1.4	103	2	63	20	31	15	4.93	+1.45	2.01	0	7	16	12	3	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	45	81.8	+ 0.5	101	2	62	4	29	49	3.92	+0.63	1.50	0	6	25	2	4	s.	Victor T. Malloure
Crystal City	Jefferson	420	7	78.8^{b}	......	100	1†	51	5	43	7	1.20	......	0.78	0	4	12	9	10	c.	Frank Magre
Doniphan	Ripley	344	37	80.2	+ 1.6	102	1	57	6	39	37	5.64	+1.60	2.01	0	8	25	3	3	sw.	Boyce Lackey
Farmington	St. Francois	896	30	80.6	+ 4.3	100	1	57	5	35	41	3.10	−0.46	0.92	0	8	8	15	8	sw.	F. M. Karsch
Goodland	Iron	1,000	48	78.2	+ 2.6	100	1†	50	5	39	48	2.11	−1.58	0.87	0	9	18	12	1	s.	F. M. Adams
Greenville	Wayne	381	32	80.8	+ 3.4	102	1	55	5	40	34	1.73	−2.03	0.49	0	8	7	17	7	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	50	80.3	+ 2.7	100	2	57	17	35	51	2.59	−0.95	0.63	0	5	19	7	5	s.	L. R. Crites
Koshkonong	Oregon	958	40	79.9	+ 1.1	99	1	60	5	27	41	4.62	+0.85	1.46	0	10	9	16	6	sw.	R. M. Hitt
Licking(near)	Texas	1,170	4	78.2	......	99	22†	50	6†	43	4	5.52	......	2.37	0	9	19	11	1	nw.	U. S. Forestry Service
Marble Hill	Bollinger	470	46	81.4	+ 3.6	102	2	57	5†	38	48	2.43	−1.59	1.32	0	6	14	17	0	s.	R. A. DeWitt
Poplar Bluff	Butler	339	36	82.4	+ 3.2	103	1	61	5	32	37	6.35	+2.41	2.00	0	9	16	13	2	s.	B. R. Wheetley
Rolla	Phelps	1,202	41	78.0	+ 0.3	99	22	58	5	28	57	3.76	+0.37	1.27	0	10	10	13	8	ne.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	104	81.2	+ 2.4	101	28	61	4	25	104	1.68	−1.30	0.55	0	8	15	11	5	sw.	**Section Center**
St. Louis Airport	St. Louis	556	4	79.8	......	103	29	56	5	36	10	0.52	......	0.28	0	6	14	12	5	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	29	81.6	+ 1.1	101	28	61	4	29	29	1.06	−2.12	0.55	0	9	16	10	5	n.	St. Louis University
Salem	Dent	1,173	37	78.9	+ 2.1	101	23†	51	5	37	40	2.04	−1.46	0.95	0	7	21	9	1	s.	E. E. Martin
Sikeston	Scott	318	34	82.5	+ 3.9	105	2	61	17	33	44	2.80	−0.92	0.82	0	8	11	16	4	se.	Mrs. Hazelle P. Young
Union	Franklin	520	3	80.2^{b}	......	103	22	51	5	39	24	2.33	−1.61	1.12	0	6	16	11	4	ne.	Robert Mueller
Wappapello Dam	Butler	475	2	83.8	......	101	1†	63	4	27	2	1.72	......	0.61	0	8	25	6	0	sw.	J. E. Harns
West Plains	Howell	1,005	4	78.9	......	98	1†	56	5	31	4	3.29	......	1.64	0	6	6	21	4	sw.	U. S. Weather Bureau
Willow Springs	Howell	1,238	0	78.4	......	104	1	55	5	39	34	4.58	+0.78	1.16	0	12	21	5	5	nw.	G. W. Yarnell
Cairo, Ill.	Alexander, Ill.	315	69	81.6	+ 2.0	99	2	61	4	27	70	2.54	−0.53	2.25	0	6	5	12	14	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**80.3**	**+ 2.4**	**105**	**2**	**50**	**5†**	**43**	..	**2.74**	**−0.76**	**2.71**	**0**	**8**	**15**	**11**	**5**	**s.**	
State means	**and extremes**	.....	..	**79.3**	**+ 1.2**	**110**	**23**	**46**	**13**	**43**	..	**2.75**	**−0.87**	**3.50**	**0**	**7**	**16**	**11**	**4**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters ^{a}, ^{b}, ^{e}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡ Post-office address of Hailey is Cato. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

Daily Precipitation for July 1941

Stations	Drainage basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Albany	Grand	.76	.23	.01	....	....	....	.05	.05	.30	.35	....	....	....	....	....	....	....	T.	....	....	....	....	....	.03	....	.09	....	....	.04	....	....	1.91
Amity[2]	....do	.62	.05	.20	T.	....	....	....	T.	.37	.28	.04	....	....	....	....	T.	T	T.	....	....	....	....	....	....	....	....	.04	....	....	T.	T.	1.60
Bethany	....do	.39	.37	....	....	....	....	.69	.05	.50	.03	....	....	....	....	.43	....	.05	....	....	....	....	....	....	....	....	.51	.03	....	....	....	.82	3.87
Bowling Green[2]	Mississippi	....	1.86	....	....	....	....	....	....	3.00	.60	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5.46
Brunswick[2]	Grand	.10	....	.70	....	....	....	....	.27	.47	.37	1.23	....	....	....	....	....	....	T.	....	....	....	....	....	....	T.	....	....	.03	....	....	.05	3.22
Canton, Lock No. 20[2]	Mississippi	.16	.01	....	....	....	....	....	T.	.02	1.42	.81	....	....	....	....	....	....	.25	....	....	....	....	.10	T.	....	T.	....	....	....	.01	....	2.78
Centralia[2]	....do	.12	....	.45	....	....	....	....	....	.31	.72	....	....	....	....	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.70
Chillicothe[2] (A)	Grand	.08	T.	.33	....	....	....	....	.45	.81	....	.34	....	....	....	....	.04	....	T.	....	....	....	....	....	....	....	.13	....	....	....	....	....	2.18
Clifton Hill	Chariton	.07	.37	.21	....	....	....	....	....	.73	1.63	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.01	....	....	....	.02	....	3.04
Columbia [1‡]	Missouri	....	2.17	.01	....	....	....	....	.16	.33	1.84	....	....	....	....	....	....	....	T.	....	....	....	....	....	.19	....	....	....	....	....	.13	....	4.83
Conception	....do	.44	.14	....	....	....	....	....	.34	.06	T.	....	....	....	....	....	.11	....	....	....	....	....	....	....	....	....	.05	T.	....	....	....	.04	1.18
Edgerton	Missouri	....	.31	.04	....	....	....	....	.11	.05	.09	....	....	....	....	.49	....	....	....	....	....	....	....	....	....	....	.01	....	....	....	.15	.14	1.39
Edina[2]	Mississippi	.20	....	.27	....	....	....	.60	....	....	....	.32	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.35	....	1.74
Elsberry	....do	....	1.63	.85	....	....	....	....	....	.04	1.60	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	.30	....	4.42
Farber[2]	....do	....	.55	1.00	....	....	....	....	....	....	.45	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2.00
Fayette	Missouri	T.	1.16	.06	....	....	....	....	....	.63	.25	.01	....	....	....	....	....	....	....	....	....	....	....	....	....	.07	....	.04	....	....	.40	T.	2.62
Fulton[2]	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Gallatin[2]	Grand	.25	....	.56	....	....	....	....	.45	.59	....	T.	....	....	....	....	....	....	T	....	....	....	....	....	....	....	....	T.	....	....	....	....	1.85
Gorin	Mississippi	.44	....	.63	....	....	....	....	....	....	.92	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	T.	T.	....	....	....	.65	....	2.64
Grant City	Grand	.63	.02	....	....	....	....	.11	.13	.17	.04	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	1.10
Hannibal[3] (A)	Mississippi	.11	.14	.98	....	....	....	....	....	T.	1.01	....	....	....	....	....	....	....	....	....	....	....	....	1.69	.02	....	....	....	.20	....	....	....	4.15
Hermann[2]	Missouri	.25	....	....	....	....	....	....	....	.08	.05	1.25	....	....	....	....	....	....	....	....	....	....	.38	....	....	.42	....	....	....	....	....	....	2.43
Kahoka[2]	Mississippi	....	....	.28	....	....	....	....	....	.85	....	.65	....	....	....	.25	....	....	.03	....	....	....	....	....	....	....	....	....	....	....	.40	....	2.46
Kansas City Airport [1‡]	Missouri	....	1.16	.05	....	....	....	....	.22	.04	.07	....	....	....	....	.47	....	.14	T.	....	....	....	....	....	....	....	.01	....	....	....	.18	....	2.34
Kansas City University	....do	....	1.12	.05	....	....	....	....	.15	.10	.80	.01	....	....	....	.13	T.	.55	.02	....	....	....	....	....	....	....	T.	....	....	....	....	....	2.93
Kidder[2]	Grand	.29	.55	....	....	....	....	....	.77	.68	.05	.07	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	.01	....	....	....	....	2.42
King City	Missouri	.40	.40	.31	....	....	....	.50	.32	.20	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2.13
Kirksville	Mississippi	.60	T.	.27	....	....	1.22	....	....	.57	.22	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	.06	....	.01	....	....	....	T.	2.95
LaBelle[2]	....do	.28	....	.09	....	....	....	....	....	....	....	.24	....	....	....	....	.52	....	....	....	....	....	....	....	....	....	....	....	....	....	.13	....	1.26
Lawson	Missouri	....	.47	.08	....	....	....	02	.35	.37	.14	....	....	....	....	T.	....	.12	....	....	....	....	....	....	....	....	.05	....	....	....	.43	....	2.03
Linneus[2]	Grand	.02	....	.23	....	....	....	.96	....	.75	T.	.57	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.39	....	....	2.92
Louisiana (A)	Mississippi	....	1.30	....	....	....	....	....	....	3.10	.60	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5.00
Lucerne[2]	Grand	.70	....	.42	....	....	....	.02	.27	.73	....	.12	....	....	....	....	.20	....	....	....	....	....	....	.14	....	....	....	....	....	....	....	....	2.60
Macon[2]	Chariton	.13	....	.27	....	....	....	.05	....	.41	.09	.58	....	....	....	....	....	....	....	....	....	....	....	....	....	.39	T.	....	....	....	....	.06	1.98
Madison[2]	Mississippi	.24	....	.68	.11	....	....	....	....	.20	.03	1.26	....	....	....	....	....	....	....	....	....	....	....	....	....	.04	....	....	....	....	....	....	2.56
Maryville	Missouri	.44	.13	....	....	....	....	....	.64	.13	.09	....	....	....	....	....	.20	....	....	....	....	....	....	....	....	....	.06	....	....	....	....	....	1.69
Memphis[2]	Mississippi	.55	....	1.00	T.	....	....	....	....	....	.42	.36	....	....	....	....	.14	....	....	....	....	....	....	....	....	....	....	....	....	....	.56	....	3.03
Mexico[2]	....do	.45	....	3.50	....	....	....	....	....	.17	.10	1.20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5.42
Milan[2]	Grand	.44	....	1.42	....	....	....	.52	.14	1.21	.06	.08	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	.48	....	4.35
Moberly	Mississippi	....	.45	.26	....	....	....	.03	....	.98	1.30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	....	....	....	T.	....	3.32
Monroe City	....do	.48	.16	.27	....	....	....	....	....	....	1.12	....	....	....	....	....	....	....	....	....	....	....	....	T.	.09	....	....	....	....	....	....	....	2.12
Oregon	Missouri	....	.37	.04	....	....	....	.06	.22	....	....	....	....	....	....	....	.02	....	....	....	....	....	....	....	....	....	.05	....	....	....	T.	....	0.76
Palmyra[3]	Mississippi	.10	....	.40	....	....	....	....	....	....	.15	.15	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	0.80
Paris[2]	....do	.51	....	.56	.19	....	....	....	....	.07	T.	.72	....	....	....	....	....	....	....	....	....	....	....	....	....	.24	T.	....	....	....	....	....	2.29
Perry[2]	....do	....	.35	.40	....	....	....	....	....	....	.55	.50	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.80
Philadelphia[2]	....do	....	....	.43	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.03	....	....	....	....	....	....	....	....	0.46
Platte City[2]	Missouri	....	.32	.45	T.	....	....	....	....	.36	....	.11	....	....	....	....	.40	....	....	....	....	....	....	....	....	....	....	.04	....	....	....	....	1.68
St. Charles[2]	....do	....	....	....	.30	....	....	....	....	....	....	.24	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.01	....	....	....	.05	....	0.60
St. Joseph[1‡]	....do	....	.57	.02	....	....	....	....	.16	.06	.05	....	....	....	....	.27	.02	....	....	....	....	....	....	....	....	T.	.03	....	....	T.	.14	....	1.32
Saverton, Lock No. 22[2]	Mississippi	.05	....	.42	....	....	....	....	....	T.	1.34	.30	....	....	....	....	....	....	....	....	....	....	....	....	.29	....	....	....	....	....	....	....	2.40
Shelbina	....do	.58	.12	.40	....	....	....	....	....	T.	.78	....	....	....	....	....	....	....	....	....	....	....	....	....	1.08	....	....	....	....	....	.64	....	3.60
Shelbyville[2]	....do	.52	....	.12	....	....	....	....	....	....	....	.83	....	....	....	....	....	....	....	....	....	....	....	....	....	.14	....	....	....	....	.41	....	2.02
Steffenville[2]	....do	....	T.	....	....	....	....	....	....	.12	.55	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	.03	....	....	....	.37	....	....	1.07
Tarkio	Missouri	.24	....	....	....	....	....	....	1.47	....	.32	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	2.03
Trenton	Grand	.16	*	1.38	....	....	....	.04	.80	....	.09	....	....	....	....	.11	....	....	.03	....	....	....	....	....	.07	....	....	....	....	T.	....	T	2.68
Troy[2]	Mississippi	T.	....	2.34	....	....	....	....	....	....	.30	1.25	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	....	....	....	....	.12	4.31
Unionville[2]	Chariton	.83	....	.42	....	....	....	1.35	....	.15	....	.13	....	....	....	....	.32	....	....	....	....	....	....	.06	....	....	....	....	....	....	....	....	3.26
Warrenton	Mississippi	.10	.20	.38	....	....	....	....	....	.04	.85	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	.69	....	....	.02	....	.15	.33	2.76
Keokuk, Iowa [1‡]	....do	.33	T.	.01	....	....	....	.07	....	.56	.55	....	....	....	....	....	....	....	.06	....	....	....	....	.02	....	T.	....	....	....	....	.03	.22	1.85
Southwestern Division																																	
Altona[2]	Osage	....	....	.60	T.	....	....	....	....	....	....	2.77	....	....	....	....	T.	....	....	T	....	....	....	....	.43	.25	....	....	....	T.	T	....	4.05
Anderson (near)	Neosho	....	T.	.22	....	....	....	....	....	....	.22	....	T	T.	....	....	....	....	.10	....	....	....	....	....	....	.12	....	....	....	.14	.39	....	1.19
Appleton City	Osage	....	T.	.10	....	....	....	....	.71	....	.57	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.02	....	....	....	*	.98	.15	2.53
Bolivar	Missouri	....	.15	.06	....	....	....	....	T.	.13	....	.17	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.07	....	....	....	.04	....	0.62
Boonville[2] (A)	Osage	....	.06	.73	T.	....	....	....	....	1.15	.06	.75	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.06	....	....	....	....	.06	2.87
Buffalo[2]	....do	....	....	.75	....	....	....	....	.18	.29	....	.18	....	....	....	....	....	....	....	....	....	....	....	....	....	.38	....	....	....	.76	....	....	2.54
Butler[2]	....do	....	....	.67	....	....	....	....	....	....	....	1.86	....	....	....	....	....	.02	....	....	....	....	....	.12	....	....	.42	....	....	....	1.03	....	4.12
Caplinger Mills	Neosho	....	.16	T.	....	....	....	....	.32	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	.41	....	....	0.89
Carthage	Osage	....	.44	....	....	....	....	....	....	....	....	....	....	.02	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	.90	.01	1.37
Clinton[4]	Missouri	....	.01	T.	....	....	....	....	.10	.01	.67	....	....	....	....	....	....	.15	.01	....	....	....	....	....	....	....	T.	....	....	.03	.02	....	1.00
Concordia[2]	Osage	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Crocker[2]	Missouri	....	....	.14	....	....	....	....	....	.72	....	.14	....	....	....	....	....	....	....	....	....	....	.31	....	....	....	....	....	1.23	....	.15	....	2.69
Eldon[2]	Osage	....	....	1.24	....	....	....	....	....	.95	.31	1.49	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.08	5.07
Eldorado Springs	White	....	.09	.05	....	....	....	.02	.54	.58	....	.29	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.24	.02	....	2.83
Galena[3]	....do	....	....	.19	....	....	....	....	....	....	....	.28	....	....	....	....	....	....	....	....	....	....	....	....	T.	.12	.58	....	....	....	.18	....	1.35
Hailey	Osage	....	.03	.48	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.48	T.	....	....	....	.78	1.02	2.79
Harrisonville[2]	Missouri	....	.79	.22	....	....	....	....	....	....	....	1.24	....	....	....	....	....	.06	....	.04	....	....	....	....	....	....	.08	....	....	.05	....	....	2.48
Higginsville[2]	....do	....	1.08	.28	....	....	....	T.	.50	....	.09	3.20	....	....	....	....	....	.22	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	5.67
Jefferson City[2]	Neosho	....	....	.25	....	....	....	....	.03	.84	.09	3.30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4.51
Joplin[3]	Osage	....	.30	....	....	....	....	....	....	....	.03	....	....	.05	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	.45	.13	0.96
Lakeside[2]	Neosho	....	....	.25	....	....	....	....	....	2.67	.30	.33	....	....	....	....	....	T.	.07	....	....	....	....	....	....	....	....	....	....	....	....	.25	3.87
Lamar[2]	Osage	....	....	.40	....	....	....	....	....	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	1.23	....	1.73
Lebanon	Missouri	....	....	.27	....	....	....	....	....	.97	....	.12	....	....	.01	....	....	.02	....	....	....	....	....	....	....	.02	....	....	....	....	....	T.	1.41
Lexington[2]	Osage	....	.15	.66	....	....	....	....	.18	.31	.02	.82	....	....	....	....	.05	.12	....	....	....	....	....	....	....	....	.01	....	....	.20	....	.07	2.59
Lockwood	Gasconade	....	.27	....	....	....	....	T.	....	.13	....	.09	....	.05	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.53	....	1.09
Manes[2]	Missouri	....	....	.06	....	....	....	....	.21	.39	....	.30	....	....	....	....	....	....	.11	....	....	....	....	....	....	1.30	.32	....	....	....	....	....	2.69
Marshall	White	....	1.07	.05	....	....	....	.27	....	.98	1.04	.02	....	....	....	....	....	....	....	....	....	....	T.	....	....	.17	.17	....	....	....	*	.10	3.87
Mountain Grove	Neosho	.94	1.30	.99	....	....	....	.12	.70	....	....	.15	.15	.43	....	....	....	.02	.02	....	....	....	....	.05	.09	1.21	....	....	....	....	....	....	6.17
Mount Vernon	....do	....	.60	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	....	....	....	....	.60	....	1.40
Neosho	Osage	....	.40	....	....	....	....	....	....	....	....	.08	....	.05	....	....	....	....	....	....	....	....	....	....	....	1.81	....	....	....	....	1.43	.19	3.96
Nevada	....do	....	.10	.01	....	....	....	....	.27	....	....	.91	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	.09	.69	T	2.07
Osceola[2]	White	....	....	.04	....	....	....	....	....	.56	....	1.51	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	.50	....	....	.22	....	....	2.88
Ozark Beach[2]	Osage	....	....	.34	....	....	....	....	....	.09	....	.66	....	....	....	....	....	....	....	.36	....	....	....	....	3.03	.26	.12	....	....	....	....	....	4.86
Pleasant Hill[2]	Gasconade	....	.85	.40	T.	....	....	....	....	.02	T.	.94	....	....	....	....	.03	.44	T.	.03	....	....	....	....	....	....	....	T	....	.17	T.	.07	2.95
Roby[2]	Osage	....	.25	.55	....	....	....	.20	....	....	.58	....	....	....	....	....	....	.12	....	....	....	....	....	....	....	1.30	....	....	....	....	....	....	3.00
St. Thomas (near)[2]	....do	....	....	.35	....	....	....	....	....	1.33	.56	.80	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3.04
Sedalia	Missouri	....	.95	....	....	....	....	....	....	.65	.28	.23	....	....	....	....	....	.09	....	....	....	....	....	....	....	....	.07	....	....	....	.16	....	2.43
Seligman	Neosho	....	....	.61	....	....	....	....	....	....	....	T.	....	T.	....	....	....	....	.63	.14	....	....	....	....	....	....	....	....	....	....	T.	.93	2.31
Seymour (near)	White	....	.74	.08	....	....	....	.12	.44	.03	....	.03	....	....	....	....	....	....	....	....	....	....	....	....	2.00	1.60	....	....	....	....	....	....	5.04
Springfield [1‡]	....do	....	.07	1.13	....	....	....	.14	1.90	....	....	....	T.	T.	T.	....	....	T.	....	....	....	....	....	.04	.07	T.	....	....	T.	T.	.07	....	3.42
Stover[2]	Missouri	....	....	.11	....	....	....	....	....	1.25	.24	1.06	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	.32	3.08

Continued on next page

Daily Precipitation for July 1941—Continued from preceding page

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Southwestern Division—	*Concluded*																																
Sweet Springs	Missouri	.01	2.69	.01	....	....	....	....	T.	.92	2.79	.02	....	....	....	T.	T.	....	....	....	....	....	.02	....	....	....	.10	....	....	....	.82	T.	7.38
Warrensburg	....do	....	1.49	....	....	....	....	.03	.18	.09	.38	....	....	....	....	T.	....	....	T.	....	....	....	T.	....	....	....	.38	....	....	....	....	....	2.55
Warsaw (A)	Osage	....	.25	.05	....	....	....	....	.40	.64	.13	2.25	....	....	....	....	....	T.	T.	....	....	....	....	....	....	T.	....	....	....	....	.17	T.	3.89
Wasola	White	1.50	T.	.50	....	....	....	.57	.60	....	.45	....	....	....	....	....	....	T.	....	....	....	....	.18	T.	.72	.28	....	....	....	....	....	....	4.80
Waverly[2]	Missouri	....	....	1.30	.03	....	....	....	.11	1.40	.20	.50	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.35	3.89
Southeastern Division																																	
Advance[4]	St. Francis	.06	.01	1.39	....	....	....	1.13	....	....	.35	....	.02	....	....	....	....	....	.05	....	....	....	....	.16	.28	....	.02	....	.29	....	....	T.	3.76
Alton (near)	Black	1.32	2.71	.57	....	....	....	....	....	....	....	....	1.47	....	....	....	....	....	....	1.59	....	....	....	....	....	.50	....	....	....	....	....	....	8.16
Annapolis	St. Francis	.80	....	....	....	....	T.	....	....	.05	.10	....	....	....	....	....	....	....	....	....	....	....	....	.28	.10	.28	....	....	....	....	.08	....	1.69
Arcadia[2]	....do	....	.48	.05	T	....	....	....	.16	T.	.02	.43	....	....	....	....	....	....	....	....	....	....	....	....	.06	.50	.31	....	....	....	....	....	2.01
Belleview	Meramec	....	....	....	....	....	....	....	.38	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.06	.48	....	....	....	....	.20	....	2.12
Birch Tree (near)	Black	....	.39	.26	....	....	....	.17	....	.06	....	....	....	....	....	....	....	....	....	....	....	....	.18	....	.95	.13	....	....	.18	.11	....	....	2.43
Bragg City[2]	St. Francis	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	.10	....	.64	....	....	....	....	....	....	....	....	....	....	0.74
Campbell	....do	....	....	1.98	.67	....	....	....	.10	....	....	....	2.01	....	....	....	....	....	.13	....	....	....	....	....	.01	....	....	....	....	.03	....	....	4.93
Cape Girardeau[2]	Mississippi	....	....	....	.39	....	....	....	.34	....	....	.02	....	....	....	....	....	....	....	.01	....	....	....	....	.02	.09	....	....	....	....	....	....	0.87
Caruthersville[2]	....do	....	....	1.00	....	....	....	....	....	....	....	....	1.50	.27	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.80	.30	3.92
Centerville[2]	Black	....	....	.02	....	....	....	....	....	.01	.02	.48	....	....	....	....	....	....	....	....	....	....	....	....	....	2.49	.01	....	....	....	....	....	3.03
Crystal City	Mississippi	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.58	.20	....	.33	....	....	....	....	....	....	.09	1.20
Cuba[2]	Meramec	....	....	....	....	....	....	....	....	....	....	.52	....	....	....	....	....	....	....	....	....	....	....	....	....	1.12	....	....	....	....	....	....	1.64
Dexter[2]	St. Francis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Doniphan	Black	....	....	.44	....	....	....	....	....	....	....	....	.96	....	....	....	....	T.	1.84	.17	....	....	....	.29	.85	.12	....	....	.97	....	....	....	5.64
Farmington	St. Francis	.59	....	....	....	....	....	.01	....	.02	.59	.02	....	....	....	....	....	....	....	....	....	....	....	.25	....	.70	....	....	....	.92	....	....	3.10
Fisk[2]	....do	....	.15	1.21	1.33	....	....	....	.09	T.	....	....	.11	.17	....	....	....	....	.06	T	....	....	....	....	.05	.27	....	....	....	.19	....	....	3.63
Fredericktown[2]	....do	....	....	....	....	....	....	....	.97	....	....	1.95	....	....	....	....	....	....	....	....	....	....	....	....	....	.50	....	....	.08	....	.12	....	3.62
Gerald[2]	Meramec	.04	....	....	....	....	....	....	....	.08	.04	.16	....	....	....	....	....	....	....	....	....	....	.25	....	....	....	....	....	....	....	.34	....	0.91
Goodland	Black	.06	....	.08	....	....	....	....	....	....	.11	.50	....	.30	....	....	....	....	....	....	....	....	....	.03	.40	.47	....	....	....	....	.16	....	2.11
Greenville	St. Francis	....	.17	.08	....	....	....	.49	....	....	....	....	....	....	....	....	....	....	.05	....	....	....	....	.24	.34	....	....	....	.28	....	.08	....	1.73
Jackson	Mississippi	....	....	T.	....	....	....	.49	....	....	.40	....	....	....	....	....	....	....	.63	....	....	....	....	.47	.60	....	....	....	T.	....	....	....	2.59
Jerome[2]	Gasconade	....	....	.32	.46	....	....	....	....	.30	.82	.92	....	....	....	....	....	....	....	....	....	....	....	....	....	.71	....	....	....	....	....	.37	3.90
Koshkonong	Black	....	....	1.46	....	....	....	.50	....	.51	....	.43	.19	....	....	....	....	....	.18	.77	....	....	.07	....	.47	.04	....	....	....	....	....	....	4.62
Leeper[2]	....do	....	....	.30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.70	....	....	....	....	1.40	.35	....	....	....	....	....	....	2.75
Licking (near)	Gasconade	....	.40	.06	....	....	....	....	....	1.54	.05	.42	....	....	....	....	....	....	....	....	....	.62	....	.06	.83	1.54	....	....	....	....	....	....	5.52
Marble Hill	Mississippi	....	.52	....	....	....	....	.14	....	....	.18	.09	....	....	....	....	....	....	.18	....	....	....	....	....	1.32	....	....	....	....	....	....	....	2.43
Meramec Park[2]	Meramec	....	....	....	....	....	....	....	....	.14	....	.10	....	....	....	....	....	....	....	....	....	....	....	.20	.91	.06	....	....	.53	....	....	....	1.94
Morehouse	Mississippi	....	....	.20	.27	....	....	.10	....	....	....	....	.18	....	....	....	....	....	.05	....	....	....	....	....	....	....	....	....	.68	....	....	....	1.48
New Madrid[2]	....do	....	....	1.02	.33	....	....	....	.02	....	....	....	.83	1.56	....	....	....	....	.32	.52	....	....	....	....	....	....	....	....	....	2.44	....	....	7.04
Owensville[2]	Gasconade	....	....	....	....	....	....	....	....	....	.36	....	....	....	....	....	....	....	....	....	....	....	.24	....	....	....	....	....	....	....	....	....	0.60
Pacific[2]	Meramec	....	....	....	.40	....	....	....	....	....	T.	T.	....	....	....	....	....	....	....	T.	....	....	....	....	....	.43	....	....	....	....	T.	T.	0.83
Parma[2]	St. Francis	....	....	.42	.26	....	....	.05	....	....	....	....	.10	.55	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	.15	....	....	1.53
Perryville[2]	Mississippi	....	....	1.34	....	....	....	....	.77	....	.85	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.18	....	3.14
Poplar Bluff[2] (A)	Black	....	.46	1.43	2.00	....	....	....	.31	....	....	....	.75	.09	....	....	....	....	....	....	....	....	....	....	.33	.13	....	....	....	.85	....	....	6.35
Richwoods[2]	Meramec	....	....	....	....	....	....	....	....	....	T.	.02	....	....	....	....	....	....	....	....	....	....	....	....	.29	.35	....	....	....	.02	....	....	0.68
Rolla[4]	....do	....	.01	.50	....	....	....	.09	.17	.69	.39	....	....	....	T.	....	....	....	....	....	....	....	.18	....	1.27	.27	....	....	....	....	.19	....	3.76
St. Louis:																																	
City Office[1]‡	Mississippi	T.	T.	.06	....	....	....	.01	....	.37	.22	....	....	....	....	....	....	....	T.	....	....	....	....	....	.01	T.	T.	....	.44	.02	T.	.55	1.68
Airport[4]‡	Missouri	....	....	.28	....	....	....	.02	....	T.	.13	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.03	.04	....	T.	....	T.	.02	0.52
St. Louis Univ.[3]‡	Mississippi	....	....	.08	....	....	....	.02	....	.10	.22	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.02	....	.01	.37	.18	....	.06	1.06
Washington Univ.[2]‡	....do	....	....	....	.07	....	....	....	.01	....	....	.01	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.60	.22	.31	1.22
Salem	Meramec	....	.17	....	....	....	....	....	....	.17	.10	.34	....	....	....	....	....	....	....	....	....	....	....	.31	*	.95	....	....	....	....	....	....	2.04
Sikeston[2]	Mississippi	T.	....	.50	.82	....	....	....	....	....	....	.04	.04	.42	....	....	....	....	.20	.02	....	....	....	....	....	....	....	.76	....	T.	....	....	2.80
Union	Meramec	....	....	.43	....	....	....	....	....	.05	.14	....	....	....	....	....	....	....	....	....	....	....	....	.20	1.12	....	....	....	....	.39	....	....	2.33
Valley Park[2]	....do	....	....	....	.17	....	....	....	.02	T.	T.	T.	....	....	T.	....	....	....	....	T.	....	....	....	.05	T.	T.	.10	T	.09	T.	....	.07	0.50
Van Buren	Black	....	.10	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.25	....	....	....	....	.02	1.00	T.	....	....	....	....	.25	....	2.62
Wappapello Dam[3]	St. Francis	T.	T.	.36	.03	....	....	....	.30	....	....	.61	.04	....	....	....	....	....	.26	T.	....	....	....	....	.02	.10	....	....	....	T.	T.	....	1.72
Weingarten[2]	Mississippi	....	.30	.16	....	....	....	....	.10	....	....	.58	....	....	....	....	....	....	....	....	....	....	....	....	.10	.74	....	....	....	.63	.65	....	3.26
West Plains[4]	Black	T.	1.25	1.44	....	....	....	.25	....	....	....	T.	T.	T.	....	....	....	T.	.05	....	....	T.	....	.05	.25	T.	....	....	T.	T.	T.	....	3.29
Williamsville[2]	....do	.10	....	.39	.05	....	....	....	.15	....	....	....	.69	....	....	....	....	....	.02	.44	....	....	....	....	.30	.34	....	....	....	.01	....	.10	2.59
Willow Sprgs. (near)[2]	White	.09	.35	.27	....	....	....	.50	.03	....	.45	.03	....	....	....	....	....	....	....	....	....	....	.09	.71	.81	.35	....	....	.90	....	....	....	4.58
Zalma (near)	Mississippi	....	.42	.38	....	....	....	.40	....	....	1.64	....	....	....	....	....	....	....	.19	....	....	....	....	....	.04	....	.10	....	....	.40	....	....	3.57
Cairo, Ill.[1]‡	....do	....	.10	1.09	1.16	....	....	T.	T.	....	T.	T	.11	T.	....	....	....	....	.03	....	....	....	....	....	.05	....	T.	....	....	....	....	....	2.54

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete. (A) Records from cooperative station gage.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Anderson (near), Appleton City, Bethany, Bolivar, Boonville, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Steffenville, Tarkio, Wappapello Dam, Warsaw, and Washington University(St. Louis).

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for July 1941

(See precipitation data in daily precipitation table)

Station	Data	Day of month																															Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside (Osage Dam)	Evaporation	.319	.325	.161	.078	.259	.228	.252	....	....	....	.133	.239	.273	.227	.257	.225	.253	.300	.260	.350	.239	.285	.328	.319	.365	.294	.284	.305	.310	.383	.188	8.236
	Mean temperature	84	78	71	70	70	71	80	81	80	78	76	74	76	76	74	76	80	82	74	77	82	86	88	86	85	84	84	86	85	85	82	79.5
	Wind movement	48	39	40	19	30	16	30	17	37	23	37	30	40	18	28	11	21	44	34	18	13	20	31	35	34	48	20	20	26	59	29	915
St. Louis (Washington University)	Evaporation	.309	.316	.258	.065	.228	.224	.256	.248	.274	.175	.060	.256	.249	.225	.253	.277	.360	.296	.353	.293	.258	.241	.263	.264	.234	.214	.284	.294	.228	.299	.315	7.869
	Mean temperature	86	82	66	68	72	76	82	81	80	77	78	76	73	76	79	80	78	85	76	77	84	87	88	86	82	86	88	90	86	88	85	80.5
	Wind movement	23	33	50	35	33	11	9	20	16	14	14	45	57	41	27	25	45	39	62	35	26	27	41	30	29	20	23	21	19	34	32	936

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for July 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§........	Maximum...	91	69	78	82	83	79	93	91	92	86	81	80	81	87	90	86	92	97	87	91	97	100	102	102	95	98	100	100	103	97	93	90.7
	Minimum ...	69	66	61	59	56	57	63	66	67	70	66	59	59	62	62	64	64	64	62	61	61	68	76	75	74	74	71	71	76	75	73	66.4
Chillicothe §§........	Maximum...	90	67	77	81	83	91	92	90	92	83	83	75	79	86	89	86	93	87	89	91	97	101	102	102	95	96	99	99	103	99	96	90.1
	Minimum ...	67	62	60	61	56	59	66	65	61	71	66	56	59	60	60	62	61	72	59	57	66	76	76	75	73	72	72	76	77	74	74	66.2
Columbia	Maximum...	94	80	77	80	83	90	93	92	91	82	86	81	83	85	88	86	90	87	86	89	95	98	101	100	92	98	97	99	102	87	89	89.6
	Minimum ...	69	63	64	60	59	61	70	68	68	67	64	61	63	64	61	65	65	70	60	65	69	76	78	71	73	73	76	78	76	72	69	67.8
Fayette..............	Maximum...	92	85	77	80	81	89	92	92	90	87	81	81	82	84	88	85	91	87	86	89	100	101	102	101	93	95	95	99	102	90	90	90.0
	Minimum ...	67	61	59	57	55	57	65	64	66	66	65	58	56	61	57	63	65	73	59	59	66	72	74	71	72	70	71	73	73	67	67	64.8
Grant City	Maximum...	90	74	78	81	82	93	94	90	93	86	78	72	76	87	90	84	90	85	86	91	97	102	104	105	97	97	92	100	104	100	101	90.3
	Minimum ...	65	58	61	56	55	60	64	64	68	62	65	54	60	62	64	60	55	70	55	60	66	74	69	74	69	72	71	74	74	71	72	64.6
Hannibal	Maximum...	91	74	75	79	82	87	90	87	91	83	81	75	81	83	89	84	89	88	85	87	97	99	102	99	88	96	97	99	100	93	93	88.6
	Minimum ...	68	65	57	59	59	61	70	66	69	66	65	60	58	61	62	65	61	66	60	60	63	71	69	73	70	71	74	76	75	76	72	66.2
Kansas City Airport.	Maximum...	87	78	77	80	82	88	95	95	97	88	84	76	80	86	94	87	95	87	87	92	98	101	103	102	97	94	96	100	100	95	94	90.5
	Minimum ...	72	63	60	60	59	68	70	66	71	72	66	59	62	62	67	66	69	70	61	61	70	81	81	78	77	77	77	80	80	71	74	69.5
Kirksville...........	Maximum...	93	74	78	80	85	92	90	90	92	85	82	76	81	87	89	83	92	81	86	91	97	99	103	101	93	97	98	99	102	98	96	90.2
	Minimum ...	65	63	58	59	60	63	65	63	67	66	65	55	65	59	60	63	63	72	60	72	72	75	75	75	69	71	72	75	76	74	74	66.8
Lawson	Maximum...	87	71	76	80	81	88	93	90	93	86	81	75	78	85	91	85	92	86	86	90	97	100	101	101	96	96	97	98	101	94	93	89.4
	Minimum ...	66	60	60	57	56	63	66	66	69	70	66	55	58	59	64	61	65	72	58	61	67	76	74	75	72	70	72	73	78	70	72	66.3
Louisiana	Maximum...	92	78	75	78	85	85	91	92	91	75	84	80	82	85	88	89	91	90	85	87	96	100	100	100	99	93	100	100	102	95	95	89.8
	Minimum ...	70	58	55	52	57	59	66	67	70	66	66	60	65	56	60	66	55	70	55	54	60	71	75	76	69	67	70	74	77	74	70	64.9
Macon§§.............	Maximum...	94	70	79	82	87	90	93	94	92	81	86	78	83	87	89	86	91	88	89	92	98	100	102	103	92	96	99	99	103	100	96	91.0
	Minimum ...	66	62	58	59	54	62	67	64	67	69	64	57	58	59	60	61	58	72	60	58	63	71	76	73	69	71	73	74	75	74	71	65.4
Maryville	Maximum...	92	76	78	82	82	93	94	90	92	90	79	74	77	86	90	85	90	87	87	88	99	101	103	103	97	97	95	100	102	97	97	90.4
	Minimum ...	65	59	61	59	58	62	66	68	69	62	65	54	60	61	63	64	64	70	59	64	68	73	71	72	73	72	72	75	75	71	71	66.0
Mexico §§............	Maximum...	93	72	76	78	82	90	94	94	93	75	87	79	83	85	89	86	92	89	87	90	99	99	102	102	93	98	100	101	104	98	90	90.3
	Minimum ...	67	65	59	58	55	60	67	65	68	68	62	59	58	59	59	63	59	66	59	57	65	70	75	73	64	70	73	75	75	73	70	65.0
Moberly	Maximum...	92	89	79	85	85	90	92	91	92	81	85	82	84	85	87	87	92	92	90	92	92	96	100	102	102	94	95	98	101	100	92	91.2
	Minimum ...	68	64	57	59	56	60	63	66	68	61	63	59	59	60	61	64	59	60	59	60	65	74	74	74	70	70	72	74	73	75	69	65.0
Oregon	Maximum...	87	79	81	84	86	96	95	91	99	85	82	77	80	89	92	89	95	88	89	93	100	104	106	104	100	97	97	101	104	98	97	92.5
	Minimum ...	65	58	60	58	59	65	61	69	69	65	65	53	58	60	65	63	65	73	60	65	70	77	75	76	74	72	72	76	78	71	70	66.8
St. Charles §§........	Maximum...	99	85	72	82	88	93	98	95	96	79	90	90	85	90	95	90	97	94	92	92	102	99	98	105	95	98	102	105	103	104	97	93.9
	Minimum ...	74	73	62	68	59	59	70	70	70	70	69	66	66	62	64	70	62	79	61	63	68	76	76	73	72	77	75	77	74	78	73	69.5
St. Joseph	Maximum...	88	71	80	82	83	92	94	93	97	82	82	76	80	87	87	86	93	86	88	91	97	101	103	100	97	95	95	98	99	95	91	90.1
	Minimum ...	69	60	61	59	60	70	67	69	70	72	63	57	60	63	68	66	69	68	62	66	71	78	79	79	76	74	74	78	77	74	73	68.8
Trenton	Maximum...	92	85	78	80	84	95	93	91	94	90	83	76	80	84	90	88	93	88	88	92	99	102	104	105	94	97	98	101	104	99	92	91.6
	Minimum ...	67	61	59	58	55	62	66	65	65	66	65	56	57	61	62	62	58	73	59	58	63	75	75	75	71	71	70	73	76	75	74	65.6
Unionville §§........	Maximum...	90	69	85	85	84	91	91	88	90	80	85	87	81	87	88	86	90	82	88	89	95	98	101	107	93	97	98	100	104	101	98	90.6
	Minimum ...	62	58	61	55	55	60	63	60	66	70	62	53	56	57	59	57	58	63	55	57	62	68	70	73	70	69	70	72	74	70	70	62.9
Warrenton	Maximum...	96	91	76	78	83	91	92	92	95	95	87	86	82	85	90	89	93	93	88	90	98	102	103	103	91	98	101	100	101	102	93	92.4
	Minimum ...	69	70	60	57	57	62	68	68	69	67	65	63	59	60	64	68	60	77	59	61	66	74	76	73	67	70	73	76	76	72	71	67.0
Keokuk, Iowa.......	Maximum...	88	72	76	79	83	90	90	88	93	84	83	73	80	84	90	82	88	82	83	84	94	100	102	97	89	95	98	100	104	94	95	88.4
	Minimum ...	68	64	59	63	60	67	68	67	70	66	68	61	59	63	64	64	60	67	62	59	63	78	71	78	75	75	79	82	80	75	76	68.1
Southwestern Division																																	
Clinton...............	Maximum...	97	77	77	82	86	93	97	99	97	97	87	81	86	88	92	92	99	92	89	96	100	103	103	102	101	100	100	100	104	98	97	93.9
	Minimum ...	68	66	63	60	52	58	67	65	69	68	61	59	63	64	59	62	67	67	58	60	70	72	74	71	68	68	74	74	76	71	69	66.0
Eldon§§	Maximum...	96	78	74	76	83	88	93	91	90	79	85	80	82	84	88	86	89	89	85	90	95	97	100	100	91	94	96	99	101	93	93	89.3
	Minimum ...	71	71	63	60	55	59	64	68	67	66	64	62	63	64	60	62	68	72	60	59	60	70	74	72	73	70	72	73	71	73	69	66.3
Harrisonville§§	Maximum...	96	72	77	80	81	91	91	93	96	88	87	78	82	85	90	91	97	90	85	91	98	102	103	102	102	95	98	98	103	99	94	91.5
	Minimum ...	68	63	61	58	59	62	67	68	72	77	65	57	61	62	63	64	67	74	60	63	71	74	73	73	69	70	71	72	75	72	71	67.2
Jefferson City §§.....	Maximum...	95	79	79	78	84	89	93	94	90	76	87	81	83	84	86	85	90	89	85	91	95	97	100	101	91	97	98	100	103	89	95	89.8
	Minimum ...	69	69	61	58	55	59	68	66	64	63	64	59	60	61	59	65	64	69	59	59	66	72	73	70	67	68	73	73	71	71	67	65.2
Joplin	Maximum...	96	79	72	78	81	85	92	94	94	92	85	84	83	85	92	93	95	97	87	92	92	91	91	92	91	92	94	94	96	91	92	89.5
	Minimum ...	74	70	67	62	60	64	73	76	75	72	70	67	68	71	69	71	72	82	68	68	77	77	78	76	75	72	76	78	75	72	73	71.9
Lamar§§.............	Maximum...	97	80	71	81	85	91	95	98	98	97	88	85	86	92	93	95	100	99	90	96	100	102	103	102	96	98	99	100	103	89	96	93.7
	Minimum ...	69	70	64	57	52	52	62	67	67	69	65	62	62	65	60	60	62	68	59	59	69	69	70	69	66	66	67	71	71	67	67	64.6
Lebanon	Maximum...	94	85	70	78	84	89	94	97	93	95	84	82	85	84	89	89	97	93	86	95	97	102	103	98	91	95	96	100	102	95	92	91.4
	Minimum ...	70	69	65	57	50	56	68	65	65	68	60	62	61	63	57	62	63	70	55	58	70	71	73	71	69	67	70	72	73	68	67	65.0
Lexington§§.........	Maximum...	92	68	81	81	84	89	95	95	94	83	86	81	84	89	91	88	94	89	90	93	97	101	102	102	99	98	98	99	102	98	94	91.6
	Minimum ...	70	63	61	60	59	65	71	68	69	71	57	58	61	62	65	66	66	72	64	63	69	78	79	77	74	73	74	76	76	74	74	68.5
Marshall	Maximum...	95	86	75	79	86	87	87	88	88	88	82	81	78	83	88	84	92	90	84	81	96	99	100	99	97	90	98	97	100	100	100	89.7
	Minimum ...	69	62	60	59	53	57	70	66	69	67	66	58	58	58	62	67	66	76	63	64	64	76	76	75	71	71	65	78	77	72	73	66.7
Mountain Grove	Maximum...	98	93	76	79	83	88	91	93	90	94	86	82	84	85	91	89	87	97	88	90	92	94	98	96	81	88	91	92	94	93	93	89.5
	Minimum ...	69	66	67	58	55	61	68	66	67	72	63	66	63	66	60	64	64	73	60	60	68	69	72	67	64	68	71	73	72	70	70	66.2
Neosho..............	Maximum...	96	89	76	81	85	88	92	93	96	96	96	86	86	84	92	95	93	92	95	94	97	98	98	98	100	92	95	98	98	98	93	92.6
	Minimum ...	72	68	68	60	51	55	63	67	69	72	65	65	63	69	62	62	62	71	58	59	65	73	72	72	69	66	76	71	72	68	69	66.3
Nevada	Maximum...	100	89	74	85	89	94	97	100	98	98	89	85	88	91	95	95	101	97	91	98	100	102	103	102	97	98	100	101	104	95	95	95.2
	Minimum ...	72	70	65	59	53	60	67	68	69	69	66	62	65	67	61	62	69	76	60	64	71	75	75	72	69	70	72	74	74	70	71	67.6
Sedalia..............	Maximum...	95	85	75	79	83	94	96	96	93	90	84	81	82	85	92	90	95	92	87	93	97	102	103	103	102	98	99	101	104	101	93	92.6
	Minimum ...	71	63	61	59	55	62	69	67	69	67	63	59	63	64	59	63	67	77	60	61	71	75	74	75	73	72	74	77	76	74	71	67.5
Springfield	Maximum...	94	87	74	78	83	86	92	94	92	92	85	84	84	85	90	90	95	95	88	93	96	97	99	97	83	90	97	94	97	90	94	90.0
	Minimum ...	71	70	62	58	53	59	66	64	68	68	64	65	64	64	62	64	66	67	60	65	70	71	71	69	67	68	72	72	72	69	71	66.2
Warrensburg........	Maximum...	94	85	80	84	83	91	95	97	96	92	88	82	86	89	92	91	98	88	90	96	98	102	104	102	101	99	99	98	103	99	98	93.5
	Minimum ...	69	63	61	58	55	62	68	67	69	68	66	58	62	60	62	65	69	77	68	61	71	76	76	74	71	73	73	75	80	74	72	67.8
Southeastern Division																																	
Arcadia §§...........	Maximum...	102	97	81	85	89	95	99	99	98	94	92	87	89	91	96	96	98	100	95	95	99	100	99	101	95	96	100	98	100	102	99	95.7
	Minimum ...	72	69	69	59	53	57	64	67	71	71	63	68	62	59	58	62	57	66	61	58	62	68	73	67	68	66	71	75	72	73	72	65.6
Birch Tree(near)....	Maximum...	100	95	83	81	83	91	96	97	94	97	91	85	89	91	91	93	89	101	91	92	96	99	95	100	90	92	94	96	97	96	94	93.0
	Minimum ...	74	71	58	54	53	58	60	66	60	71	65	65	64	65	63	64	59	73	58	62	67	69	70	68	68	66	65	70	67	69	68	64.8
Caruthersville§§.....	Maximum...	100	101	85	78	85	89	96	95	93	97	93	79	83	87	90	92	90	91	87	91	94	94	95	96	96	97	98	94	97	97	97	92.2
	Minimum ...	74	72	72	62	67	72	72	73	74	74	72	71	72	73	72	71	67	75	68	67	70	72	70	73	70	72	73	73	72	72	73	71.3
Crystal City	Maximum...	100	92	81	82	86	94	97	94	93	94	89	87	87	90	96	92	95	97	91	92	96	95	94	100	94	98	98	100	..	..	97	[b]93.1
	Minimum ...	79	72	66	60	51	55	67	64	71	69	66	67	63	54	57	58	52	76	56	54	62	67	69	64	68	68	70	72	68	68	69	64.6
Doniphan	Maximum...	102	98	95	84	90	92	98	99	95	99	96	80	87	97	93	95	90	96	90	91	94	95	95	98	92	95	95	97	97	95	95	94.0
	Minimum ...	69	69	70	66	62	57	61	60	74	65	69	68	67	70	66	62	60	66	66	62	66	66	69	68	66	68	70	72	69	69	70	66.5
Farmington	Maximum...	100	94	79	80	84	92	95	93	94	91	89	83	86	88	95	91	93	95	93	95	95	98	98	95	92	97	97	98	98	96	94	92.5
	Minimum ...	71	71	69	59	57	64	65	68	72	69	66	68	62	70	62	68	58	74	65	66	71	75	71	73	75	75	74	75	71	72	74	68.7
Jackson	Maximum...	99	100	85	82	86	91	95	94	92	93	90	87	88	90	94	94	92	94	83	91	93	95	91	92	92	95	97	96	97	99	99	92.6
	Minimum ...	76	72	71	63	61	66	61	65	73	69	69	72	66	66	64	66	57	72	67	61	64	68	71	68	67	70	71	75	71	72	71	68.0
Poplar Bluff	Maximum...	103	102	86	83	87	93	97	97	96	98	95	81	87	95	94	97	92	92	91	95	97	98	96	99	95	99	102	98	100	99	100	95.0
	Minimum ...	74	72	71	67	61	68	67	71	75	74	71	70	70	71	71	71	65	67	70	65	67	69	72	70	67	72	74	74	68	71	71	69.9
Rolla................	Maximum...	92	85	71	76	82	89	90	92	90	81	84	83	84	81	88	87	91	90	86	92	94	99	97	96	86	92	92	94	95	90	90	88.5
	Minimum ...	74	71	63	59	58	62	70	71	67	67	65	64	62	64	64	66	68	68	63	64	70	75	74	68	68	68	73	76	76	70	69	67.6
St. Louis..........	Maximum...	96	90	73	80	86	93	93	90	92	86	86	82	85	87	93	85	94	90	85	90	96	97	95	99	93	96	99	101	100	98	95	91.1
	Minimum ...	76	73	64	61	63	69	74	73	68	70	70	67	61	65	71	75	70	73	68	65	71	77	76	74	74	77	79	80	78	80	72	71.4
Salem	Maximum...	98	94	78	80	86	91	96	96	92	96	87	85	86	87	92	90	93	96	89	94	93	100	101	101	85	92	95	96	98	96	93	92.1
	Minimum ...	68	70	65	58	51	60	66	67	67	73	64	65	61	61	57	62	62	76	59	57	67	72	72	67	66	67	70	72	73	72	69	65.7
Sikeston §§..........	Maximum...	104	105	86	79	84	94	97	97	94	101	92	80	88	90	95	98	94	95	92	96	99	100	95	100	99	104	102	96	100	102	102	95.5
	Minimum ...	75	72	70	64	65	70	70	68	73	73	71	72	68	66	67	70	61	73	69	64	66	68	69	71	66	71	73	73	70	72	74	69.5
Union	Maximum...	99	91	78	79	85	91	97	94	95	90	90	87	86	91	95	93	96	99	93	96	101	103	101	97	92	98	100	101	101	100	96	94.0
	Minimum ...	74	73	62	57	54	57	64	66	71	72	67	65	61	58	57	64	57	79	56	58	..	73	..	69	67	78	71	74	73	73	72	[b]66.3
West Plains..........	Maximum...	98	98	83	80	84	88	93	94	92	96	89	80	85	87	90	92	91	97	90	92	94	95	97	98	88	92	96	97	97	96	95	91.7
	Minimum ...	68	68	68	61	56	59	63	68	71	71	68	65	65	67	63	63	60	68	61	62	64	68	69	68	67	65	68	71	71	71	72	66.1
Cairo, Ill..	Maximum...	96	99	83	77	81	88	92	91	88	93	89	79	84	89	92	91	88	90	88	93	93	95	92	94	94	95	97	94	97	96	97	90.8
	Minimum ...	78	72	70	64	69	72	73	71	76	73	73	72	70	70	72	74	69	73	73	69	70	73	74	73	73	73	76	76	73	74	75	72.4

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 8-25-41—1150.

Continued from page 35

monthly amount was 8.16 inches at Alton (near), and the least local monthly amount was 0.46 inch at Philadelphia. The greatest amount in any twenty-four hours was 3.50 inches at Mexico on the 3d. The average number of days with 0.01 inch or more was 7.

MISCELLANEOUS PHENOMENA

Fogs.—Dense, 3d, 10th, 11th, 15th, 21st, 24th, 25th, 26th.

Hail.—Light, 2d at West Plains; 6th at Kirksville and Linneus; 8th at Springfield; 9th at Amity and Louisiana; 13th at Kirksville; 18th at Anderson (near) and Koshkonong; 19th at Alton (near); 23d at Hannibal; 24th at Seymour, Shelbina, Union, Wasola and Willow Springs; 28th at Willow Springs; 31st at Warrenton. Moderate, 18th at Van Buren. Heavy, 10th at Pleasant Hill.

Halos.—Lunar, 10th, 11th. Solar, 11th, 18th, 25th.

Thunderstorms.—Local, 4th, 6th, 11th, 12th, 19th, 20th, 21st, 22d, 27th. More or less general, 1st, 2d, 3d, 7th, 8th, 9th, 10th, 15th, 17th, 18th, 23d, 24th, 25th, 26th, 28th, 29th, 30th, 31st.

Windstorms.—2d, 7th, 8th, 9th, 10th, 25th, 29th. (See special notes.)

WINDSTORMS

Hail, wind and lightning caused damage estimated at $15,000 in the tobacco-growing district around Weston on July 9th. The high wind flattened tobacco barns, and lightning killed several sheep. On the same date torrential rain and high winds damaged about $50,000 worth of property in the Springfield area, and a 10-year old boy was swept into a culvert and drowned. The wind and rain damaged the Ozark Empire district fairgrounds, uprooted trees and broke windows. In the Kansas City district a man was electrocuted as he picked up an electric wire that had fallen into a residential street. Trees were blown down and power and light service was disrupted in several sections of Kansas City. At Louisiana a severe electrical storm, accompanied by over 3.00 inches of rain, heavy wind and some hail, did considerable damage during the night of the 9-10th. A great number of trees were blown down, with considerable resultant property damage.

A small windstorm, that had the characteristics of a tornado, struck Weingarten between 1:30 and 2:00 p. m. of the 29th, and caused minor damage to trees, crops and barns. No estimate of damage available, but it was undoubtedly small.

ERRATA

Annual Summary, 1939, pages 65 and 67: total annual precipitation at St. Charles should be 39.36. December 1940, page 61: evaporation at St. Louis (Washington University) on 7th should be .168; monthly should be .799. January 1941, page 4: evaporation at St. Louis (Washington University) on 15th should be −.106; monthly should be .488. May 1941, page 24: date of maximum temperature at Memphis should be 20†; greatest daily range should be 45. June 1941, page 30: mean temperature at Memphis should be 72.5; highest temperature at Memphis should be 97. Greatest precipitation in 24 hours at Rolla should be 1.56. July 1941, page 36: greatest precipitation in 24 hours at Advance should be 1.40.

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CLIMATOLOGICAL DATA

MISSOURI SECTION

19

H. C. GROSS
ST. LOUIS, MO.

VOL. XLV — AUGUST 1941 — No. 8

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GENERAL SUMMARY

Rainfall continued deficient and temperatures high during the first three weeks of August and this combination resulted in severe droughty conditions over much of the State, particularly the northern half. Some local areas received enough rain to escape the devastating effects of the droughty conditions, but nearly all sections suffered to some extent. This period of drought was the most severe since the great drought of 1936, but was not nearly so general or severe. General rains set in on the 23d-24th and relieved the situation, except in the extreme northwest portion of State. Although irreparable damage had already been done to growing crops, except where rainfall was adequate, these late rains relieved a serious water shortage, revived pastures and gardens, and put the soil in condition for fall plowing.

Temperatures averaged rather high the first twelve days of the month and again the last three days, with cool periods on the 19th and 20th and 27-28th. No unusually high temperatures were recorded, but most stations reported monthly maxima of 100° or higher. At St. Louis from July 18th to August 12th inclusive, a period of twenty four consecutive days, the temperature reached 90° or higher each day, setting a new record for consecutive days of 90° or above. Similar conditions prevailed generally throughout the State, although some stations had temperatures below 90° during this persistent heat wave. All Divisions of the State averaged from two to over three degrees warmer than normal, but the Southwest Division averaged approximately one degree cooler than the other Divisions. This was the fourth consecutive month with average temperature higher than normal.

Rainfall was spotty, but generally deficient, with the Northern Division receiving the least amount and the Southeast the greatest. Showers were rather frequent, but amounts were mostly too light to be of much value until the beginning of the third week, when rainfall was more general and heavy enough to really be of material benefit. This month marks the fourth consecutive month, and the sixth since the first of the current year, with deficient moisture. Only January and April had more than normal.

This long period of deficient rainfall had caused the supply of sub-soil moisture to be depleted to such an extent that growing crops were dependent on current rains to survive and where these were lacking there was not enough reserve supply to sustain growth. Consequently even a short period of dry, hot weather adversely affected crops. Corn was severely damaged and pastures were burned up over much of the State while other crops, garden and truck crops were severely injured by the hot, dry weather of the latter part of July and the first three weeks of August. The only exception was the cotton crop in the southeastern counties, where a bumper crop was expected. Water supplies generally were very low and hauling of water for both domestic and stock use was necessary in many localities. Until the rains of the last week small streams were dry or very low, but started flowing again following the rains. Fruits were damaged by the hot, dry weather, and many trees died from lack of moisture and the effects of the early freeze last November. Until the last week, little fall plowing was done because of dry, hard ground.

At the close of the month vegetation was responding to the late rains and becoming green again, but more rain was needed to sustain growth and to further replenish water supplies and build up the sub-soil deficiency.—M. R. W.

(Continued on page 43)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.96*	30.19*	28	29.70*	25	5.9	22	nw	25	84*	54*	62*	69
Kan. C. Airport	29.94	30.15	27	29.59	25	8.2	63	nw.	25	84	56	55	71
St. Joseph	29.95*	30.19*	27	29.64*	25	6.8	30	nw.	11	93*	61*	65*	67
St. Louis	29.97*	30.22*	28	29.71*	25	9.4	35	se.	5	72	45	51	72
Springfield	29.98	30.14	28	29.74	25	8.2	32	n.	1	82	53	61	71
Cairo, Ill.	29.98	30.18	30	29.76	18	6 4	27	n.	12	83	53	..	80
Keokuk, Iowa	29.98§	30.23	28	29.66	25	6.3	23	w.	31	72	47	..	78

* Data for Airport Station. § 7:30 A. M.

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	74.0	110	45	7.03	5.95	7.84	7.30	0	11	..	..	..
1889	73.5	101	52	1.69	1.65	2.11	1.31	0	14	..	..	..
1890	73.3	106	47	5.13	4.25	7.21	3.93	0	9	..	..	..
1891	73.2	102	38	5.29	5.96	5.14	4.78	0	8	..	..	..
1892	74.3	102	44	2.65	2.24	2.63	3.08	0	6	17	8	6
1893	72.8	100	40	1.99	2.55	1.89	1.53	0	4	18	10	3
1894	77.0	111	39	1.64	1.00	1.59	2.33	0	5	14	16	1
1895	75.3	104	46	4.02	5.45	3.51	3.09	0	8	15	11	5
1896	76.6	108	41	3.13	3.32	3.25	2.82	0	6	17	10	4
1897	74.1	108	41	2.37	2.48	2.23	2.39	0	6	19	9	3
1898	75.8	103	44	3.13	2.93	2.88	3.57	0	5	17	10	4
1899	78.8	107	49	3.13	4.19	2.76	2.45	0	7	18	10	3
1900	80.3	105	52	3.55	2.99	4.79	2.87	0	6	19	9	3
1901	78.4	109	47	2.05	1.12	2.74	2.29	0	5	19	9	3
1902	75.0	103	47	6.06	5.66	6.79	5.74	0	10	14	11	6
1903	74.5	102	43	5.00	6.54	5.01	3.44	0	10	16	11	4
1904	73.7	100	43	5.40	5.61	5.84	4.76	0	8	16	10	5
1905	76.4	99	48	4.68	4.19	5.90	3.94	0	8	19	7	5
1906	76.6	101	40	4.70	3.99	5.10	5.01	0	11	14	10	7
1907	77.3	109	47	3.89	3.92	3.90	3.85	0	9	17	8	6
1908	76.4	102	46	3.46	3.63	3.61	3.14	0	8	17	9	5
1909	79.5	110	40	0.60	0.31	0.67	0.81	0	2	24	6	1
1910	74.7	103	40	2.92	2.63	3.56	2.57	0	6	15	9	7
1911	75.4	109	41	4.83	2.81	4.97	5.21	0	7	15	8	8
1912	76.2	104	41	4.04	4.77	3.42	3.93	0	9	17	8	6
1913	82.8	110	41	1.09	1.24	0.67	1.37	0	3	22	7	2
1914	78.0	106	49	4.25	3.73	4.53	4.48	0	9	15	9	7
1915	69.8	98	37	8.19	4.99	7.57	12.02	0	12	12	9	10
1916	79.2	107	41	4.09	5.39	2.55	4.33	0	7	19	7	5
1917	73.3	104	38	4.69	3.13	5.04	5.89	0	9	16	8	7
1918	81.8	111	45	3.57	3.22	2.91	4.59	0	8	17	9	5
1919	75.7	106	44	4.33	4.41	4.47	4.12	0	8	17	9	5
1920	73.1	102	43	4.69	3.56	5.94	4.56	0	9	15	8	8
1921	76.8	109	48	5.39	5.16	6.42	4.60	0	9	14	10	7
1922	77.5	107	46	2.44	2.68	1.67	2.97	0	6	18	8	5
1923	77.3	108	42	3.81	5.47	1.87	4.08	0	8	16	9	6
1924	77.2	106	48	4.11	3.66	4.50	4.18	0	7	19	8	4
1925	76.5	107	45	3.34	5.31	2.60	2.10	0	6	19	8	4
1926	77.5	106	50	5.65	4.03	6.39	6.53	0	10	15	9	7
1927	71.1	97	39	5.09	4 19	7.04	4.04	0	9	14	10	7
1928	76.4	99	45	5.48	4.37	6.75	5.33	0	9	15	10	6
1929	76.0	105	43	2.58	1.84	2.21	3.69	0	6	18	9	4
1930	78.5	114	47	1.99	2 39	1.87	1.70	0	6	16	10	5
1931	74.9	106	44	4.97	4.03	5.66	5.21	0	9	15	9	7
1932	77.2	106	46	5.70	7.82	3.86	5.42	0	9	18	9	4
1933	75.4	103	48	3.82	4.32	3.80	3.33	0	9	13	10	8
1934	80.6	115	41	4.01	3.36	2.83	5.83	0	9	14	11	6
1935	77.7	110	45	2.20	1.60	2.73	2.26	0	6	17	9	5
1936	84.6	116	43	0.84	0.90	0.91	0.72	0	4	20	8	3
1937	80.5	105	51	2.05	2.50	2.00	1.64	0	5	17	11	3
1938	81.1	108	53	2.62	4.62	1.78	1.47	0	6	20	8	3
1939	75.4	106	45	4.80	6.30	3.76	4.34	0	9	15	11	5
1940	75.6	107	45	5.78	5.47	7.21	4.67	0	12	10	12	9
1941	79.2	106	49	3.15	2.37	3.53	3.56	0	8	15	11	5
Period	**76.6**	**116**	**37**	**3.82**	**3.74**	**3.93**	**3.80**	**0**	**8**	**17**	**9**	**5**

Climatological Data for August 1941

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	0	78.8	......	101	1†	49	19	38	12	1.47	−2.13	0.77	0	8	21	9	1	s.	Curtis E. Grace
Bethany	Harrison	916	46	78.8	+ 3.8	100	4	53	19	37	48	1.29	−2.53	0.60	0	7	25	4	2	se.	A. S. Cumming
Brunswick	Chariton	652	60	78.8	+ 4.6	102	11	59	19†	34	62	3.34	−0.60	1.23	0	10	17	9	5	sw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	3	77.8	....	99	11	58	23	29	11	1.64	−1.52	0.55	0	6	18	7	6	se.	Lockmaster
Chillicothe	Livingston	779	32	79.1	+ 3.6	102	4	55	19	35	35	1.99	−1.97	0.68	0	6	19	8	4	e.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	42	79.8	+ 3.8	102	11	54	19	35	32	1.96	−1.84	1.17	0	7	21	5	5	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	51	79.6	+ 3.3	100	11	57	20	28	51	3.30	−0.30	1.34	0	11	12	14	5	e.	U. S. Weather Bureau
Conception	Nodaway	980	52	79.0	+ 4.3	102	4	55	19	32	57	2.22	−1.42	0.78	0	6	11	19	1	ne.	Fr. Adelhelm Hess
Edgerton	Platte	856	21	78.1	+ 3.0	102	1†	53	19	36	30	3.61	−0.43	1.58	0	9	14	8	9	e.	Fred L. Stiff
Elsberry	Lincoln	449	10	77.1°	+ 0.6	100	11	51	20	33	10	3.36	+0.10	2.39	0	6	13°	12°	3°	ne.	Ray E. Mills
Fayette	Howard	760	61	78.3	+ 2.4	102	11	53	20	34	58	2.97	−0.59	1.70	0	9	18	7	6	sw.	Irvin E. Schnell
Fulton	Callaway	818	53	79.2	+ 2.8	102	11	51	20	42	49	2.53	−1.12	1.43	0	7	15	14	2	sw.	J. Roy Jackson
Grant City	Worth	1,134	37	78.0	+ 3.1	101	1†	52	19	38	49	1.32	−2.62	0.49	0	6	10	13	8	ne.	Howard Rybolt
Hannibal	Marion	759	49	78.4	+ 3.4	103	11	56	13†	29	57	4.74	+1.40	3.91	0	9	11	6	14	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	52	79.5	+ 2.9	101	11	61	19†	30	52	4.66	+0.57	2.59	0	8	10	14	7	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	3	78.5	......	102	11	55	20	32	3	3.95	......	2.18	0	7	9	18	4	sw.	University of Kansas City
Kidder	Caldwell	1,020	49	77.3	+ 1.9	100	4	54	19	29	53	3.06	−0.90	1.24	0	8	23	5	3	ne.	Mrs. Geraldine Terry
Kirksville	Adair	969	52	79.2	+ 5.2	101	1†	54	19	32	59	1.04	−3.08	0.69	0	4	13	18	0	sw.	Howard Coons
Lawson	Ray	1,070	3	77.8	......	101	11	55	19	28	3	4.16	......	1.74	0	7	9	18	4	sw.	Elmer E. Lamb
Louisiana	Pike	469	47	77.7	+ 2.8	101	11	50	20†	39	60	1.69	−2.85	1.25	0	4	20	8	3	w.	Stark Bro's Nurseries
Macon	Macon	875	42	79.2	+ 3.1	102	11	55	19	36	48	2.84	−0.97	1.74	0	6	19	7	5	sw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	51	78.0	+ 4.2	100	1†	54	19	33	47	1.32	−2.66	0.67	0	5	18	7	6	sw.	R. B. Montgomery
Memphis	Scotland	787	2	78.5	......	101	11	54	13†	42	11	0.51	−3.46	0.37	0	3	11	13	7	sw.	John W. Alexander
Mexico	Audrain	800	52	79.2	+ 3.2	103	11	55	19	38	63	2.59	−1.26	1.70	0	6	..	..	..	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	4	79.6	......	101	1	56	20	33	4	3.32	......	1.55	0	7	15	12	4	sw.	Beverly Coomes
Oregon	Holt	1,048	85	78.8	+ 3.6	102	10	55	19	31	85	2.57	−1.23	1.54	0	6	21	7	3	sw.	Miss Mina Wright
St. Charles	St. Charles	520	53	81.0	+ 4.2	104	11	56	20	31	63	2.19	−2.05	0.99	0	5	19	10	2	se.	Martin L. Comann
St. Joseph	Buchanan	957	31	78.8	+ 2.3	99	4	58	19	27	69	2.13	−1.70	0.90	0	8	8	16	7	s.	U. S. Weather Bureau
Saverton, Lock No. 22.	Ralls	472	3	79.0	......	100	11	58	20	27	3	2.91	......	2.01	0	4	15	16	0	w.	Lockmaster
Shelbina	Shelby	779	0	77.8	......	103	11	51	19	38	48	3.23	−0.49	1.10	0	6	7	19	5	sw.	Guyman Hatcher
Steffenville	Lewis	650	43	78.6	+ 2.1	105	10†	54	13†	34	48	1.87	−2.17	0.62	0	7	12	14	5	e.	Frank Hall
Tarkio	Atchison	916	38	77 6	+ 2.4	103	10	54	19†	32	47	1.79	−2.11	0.55	0	5	14	12	5	se.	Albert Volker
Trenton	Grundy	822	45	79.3	+ 4.1	102	11	55	19	35	46	1.80	−2.08	0.59	0	10	18	13	0	s.	W. H. Estes
Unionville	Putnam	1,062	48	78.0	+ 3.2	105	1	51	19	39	48	0.82	−3.46	0.52	0	4	16	8	7	sw.	John H. Schick
Warrenton	Warren	816	59	80.1	+ 3.6	101	11	57	20	34	51	2.87	−0.80	1.52	0	8	7	19	5	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	69	78.3	+ 3.3	100	11	57	19	26	69	1.78	− 1.42	0.99	0	8	13	11	7	e.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**78.7**	**+ 3.2**	**105**	**1†**	**49**	**19**	**42**	..	**2.37**	**−1.37**	**3.91**	**0**	**7**	**15**	**11**	**5**	**sw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	37	77.9	+ 0.2	97	11	52	20	34	42	4.19	+0.07	1.58	0	11	17	14	0	sw.	E. S. Taylor
Appleton City	St. Clair	813	46	79.4	+ 1.6	101	11	55	20	34	49	4.46	+0.50	2.78	0	9	17	3	11	sw.	Rolla Brown
Bolivar	Polk	1,071	38	80.2	+ 3.3	100	11	56	21	30	46	2.47	−1.39	0.70	0	8	15	9	7	sw.	Southwest Baptist College
Boonville	Cooper	650	3	77.8	......	98	11	59	19	27	64	4.38	−0.17	1.85	0	6	19	4	8	se.	Boonville Water Dept.
Carthage	Jasper	962	7	79.2	......	97	4†	57	20	31	17	2.33	......	1.61	0	7	16	12	3	s.	Carthage W. and E. Plant
Clinton	Henry	786	48	79.9	+ 2.3	102	2	56	20	37	54	4.85	+1.20	3.15	0	7	1	24	6	sw.	U. S. Weather Bureau
Eldon	Miller	934	46	78.6	+ 2.2	102	11	58	20†	35	42	3.43	−0.23	1.14	0	8	7	13	11	se.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	0	80.0	......	101	10	54	20	35	0	1.36	......	0.76	0	2	22	1	8	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	63	79.4	+ 3.5	102	11	57	20	32	66	3.19	−0.99	2.22	0	10	9	11	11	sw.	John H. Patterson
Jefferson City	Cole	557	51	79.0	+ 2.3	101	10	56	20	33	59	3.91	+0.08	2.15	0	9	23	6	2	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	19	80.0	+ 2.7	96	11	62	20	26	36	3.48	−0.49	1.48	0	11	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	10	79.5	+ 0.4	101	3	57	20	35	10	3.32	+0.15	1.40	0	6	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	53	77.8	+ 0.1	100	11	53	20	38	60	4.45	+0.16	1.75	0	5	20	4	7	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	53	79.0	+ 2.9	102	11	53	20	36	54	2.39	−2.10	0.65	0	6	18	7	6	......	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	56	79.8	+ 3.6	102	4	58	19	29	57	6.71	+3.19	2.80	0	10	21	9	1	ne.	Miss Carrie Loomis
Lockwood	Dade	1,078	35	80.2	+ 3.0	103	3†	54	20	35	45	5.29	+0.59	1.45	0	7	15	12	4	sw.	Hubert A. Nieman
Marshall	Saline	779	54	79.0	+ 3.0	100	11	58	19	30	51	2.58	−1.32	2.25	0	4	23	6	2	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	40	78.6	+ 3.1	99	10†	54	20	34	44	1.81	−2.53	0.72	0	8	4	27	0	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	29	78.9	+ 2.2	100	1†	51	20	35	41	3.54	−0.94	1.50	0	7	8	15	8	s.	G. H. Boswell
Neosho	Newton	1,011	54	77.7	+ 0.6	95	10†	53	20	32	58	5.86	+1.49	1.62	0	10	12	7	12	s.	U. S. Fisheries Station
Nevada	Vernon	862	48	80.2	+ 3.1	102	11	56	20†	33	49	3.61	−0.16	1.01	0	10	21	7	3	sw.	Henry Kraft
Ozark Beach	Taney	700	1	80.6	......	101	11	56	21	34	16	2.81	−2.02	1.62	0	8	7	15	9	......	V. Smith
Sedalia	Pettis	910	28	80.5	+ 4.0	100	3†	57	19	32	30	2.84	−2.34	1.03	0	8	20	6	5	se.	Dr. J. E. Cannaday
Seligman	Barry	1,542	40	75.9	− 0 3	91	1†	58	23†	26	38	3.55	−0.45	0.98	0	10	14	14	3	e.	Floyd E. Fawver
Seymour(near)	Webster	1,642	35	76.8	+ 1.8	96	11	51	20	31	35	1.66	−2.58	0.58	0	5	14	11	6	s.	A. L. Hailey
Springfield	Greene	1,301	53	77.7	+ 2.0	98	11	54	20	30	53	3.79	−0.30	2.24	0	11	9	13	9	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	0	79.0	......	103	11	52	20	39	0	1.81	......	1.30	0	6	21	6	4	n.	H. F. Nelson
Warrensburg	Johnson	878	54	80.5	+ 3.4	103	2	57	20	33	61	4.51	+0.54	2.12	0	10	13	12	6	sw.	E. A. Markey
Warsaw	Benton	687	40	81.2	+ 3.6	105	11	55	20	38	46	4.32	−0.30	2.10	0	8	11	18	2	se.	Everett Martin
Wasola	Ozark	1,294	0	79.4	......	104	18	58	20	35	1	3.87	......	1.55	0	8	16	14	1	sw.	A. W. Pinckney
Division means	**and extremes**	.....	..	**79.1**	**+ 2.3**	**105**	**11**	**51**	**20**	**39**	..	**3.53**	**−0.40**	**3.15**	**0**	**8**	**15**	**11**	**5**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	4	79.3	......	104	11	52	21	44	4	4.67	......	1.92	0	7	9	14	8	sw.	U. S. Weather Bureau
Arcadia	Iron	926	60	79.6	+ 5.3	102	8†	52	20†	38	63	3.65	−0.72	1.27	0	9	15	12	4	......	Arcadia College
Birch Tree(near)	Shannon	1,000	46	78.4	+ 2.3	101	10†	53	20	33	47	2.76	−2.00	1.54	0	5	25	4	2	......	V. H. Kirkendall
Campbell	Dunklin	314	15	81.4	+ 4.2	103	10†	57	21	32	15	3.92	−2.06	1.24	0	12	14	16	1	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	45	80.6	+ 0.3	100	10†	60	21	27	49	5.53	+1.84	1.40	0	10	23	1	7	s.	Victor T. Malloure
Crystal City	Jefferson	420	7	79.0	......	104	11	53	21	37	7	2.67	......	1.02	0	5	6	12	13	w.	Frank Magre
Doniphan	Ripley	344	37	79.4	+ 1.8	103	11	51	21	38	37	3.61	−0.63	1.58	0	9	22	5	4	sw	Boyce Lackey
Farmington	St. Francois	896	30	80.2	+ 4.8	103	11	55	21	33	44	2.37	−1.93	1.27	0	6	9	12	10	s.	F. M. Karsch
Goodland	Iron	1,000	48	78.2	+ 3.7	102	11	49	21	40	48	1.67	−2.57	0.45	0	8	19	10	2	s.	F. M. Adams
Greenville	Wayne	381	32	80.2	+ 3.5	105	10†	51	21	43	34	2.61	−1.67	1.60	0	7	11	14	6	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	50	79.6	+ 3.5	102	11	55	20	37	51	5.44	+1.36	2.14	0	7	17	13	1	s.	L. R. Crites
Koshkonong	Oregon	958	40	79.6	+ 1.7	99	11	60	20†	28	41	3.50	−0.66	1.06	0	12	14	6	11	sw.	R. M. Hitt

Continued on next page

Climatological Data for August 1941—Continued from preceding page

Stations	Counties		Temperature, in degrees, Fahr.								Precipitation, in inches					Number of days					
		Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Southeastern Division—	*Concluded*																				
Licking(near)	Texas	1,170	4	78.8	......	98	10	50	20	40	4	1.43	......	0.56	0	6	18	13	0	sw.	U. S. Forestry Service
Marble Hill	Bollinger	470	46	80.6	+ 3.6	105	10†	53	21	39	48	4.26	+0.14	1.82	0	8	12	19	0	se.	R. A. DeWitt
Poplar Bluff	Butler	339	36	82.2	+ 4.2	105	11	56	21	33	37	4.02	−0.55	1.81	0	8	8	19	4	s.	B. R. Wheetley
Rolla	Phelps	1,202	41	78.6	+ 2.4	97	11	58	21	27	57	2.93	−1.51	0.63	0	7	9	16	6	se.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	104	81.0	+ 3.5	100	11	61	13	27	104	2.63	−0.36	1.43	0	6	15	10	6	sw.	**Section Center**
St. Louis Airport	St. Louis	556	4	79.7	......	102	11	54	20	32	10	2.17	......	0.87	0	9	16	10	5	e.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	29	80.8	+ 3.0	101	11	61	13	29	29	2.96	−0.98	1.37	0	7	21	6	1	se.	St. Louis University
Salem	Dent	1,173	37	79.0	+ 3.1	101	11	53	20	34	40	1.78	−2.79	0.74	0	7	20	10	1	s.	E. E. Martin
Sikeston	Scott	318	34	82.0	+ 4.4	106	10†	56	21	36	44	5.86	+2.06	2.25	0	7	11	16	4	ne.	Mrs. Hazelle P. Young
Union	Franklin	520	3	80.2	......	103	10†	51	20	37	24	4.74	+0.04	2.83	0	9	13	11	7	s.	Robert Mueller
Wappapello Dam	Butler	475	2	81.9	......	103	10†	59	21	30	2	3.42	......	1.72	0	8	15	14	2	sw.	J. E. Harns
Weingarten	St. Genevieve	833	0	80.0	......	102	11	60	20†	30	1	2.46	......	1.18	0	6	16	4	11	s.	John A. Kettinger
West Plains	Howell	1,005	4	78.8	......	100	11	54	20	35	4	2.59	......	1.53	0	6	10	11	10	sw.	U. S. Weather Bureau
Willow Springs	Howell	1,238	0	78.0	......	99	10†	50	20	37	34	2.76	−1.32	1.17	0	9	20	6	5	nw.	G. W. Yarnell
Cairo, Ill.	Alexander, Ill.	315	69	80.6	+ 2.8	99	10	63	21	25	70	4.06	+1.04	1.30	0	10	5	13	13	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**79.9**	**+ 3.2**	**106**	**10†**	**49**	**21**	**44**	..	**3.56**	**−0.24**	**3.31**	**0**	**8**	**15**	**11**	**5**	**s.**	
State means	**and extremes**	.....	..	**79.2**	**+ 2.6**	**106**	**10†**	**49**	**19†**	**44**	..	**¶15**	**−0.67**	**3.91**	**0**	**8**	**15**	**11**	**5**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.
¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Bragg City, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, Weingarten, and Willow Springs.

Continued from page 41

TEMPERATURE

The monthly mean for the State, 93 stations reporting, was 79.2°, or 2.6° above normal. The highest monthly mean was 82.2° at Poplar Bluff, and the lowest monthly mean was 75.9° at Seligman. The highest recorded was 106° at Sikeston on the 10th and 11th, and the lowest was 49° at Albany on the 19th and at Goodland on the 21st. The greatest daily range was 44° at Advance on the 5th.

PRECIPITATION

The average for the State, 158 stations reporting, was 3.15 inches, or 0.67 inch less than normal. The greatest local monthly amount was 7.46 inches at New Madrid, and the least local monthly amount was 0.51 inch at Memphis. The greatest amount in any twenty-four hours was 3.91 inches at Hannibal on the 25-26th. The average number of days with 0.01 inch or more was 8.

MISCELLANEOUS PHENOMENA

Fogs.—Dense, 18th, 19th, 20th, 21st, 29th.

Hail.—Light, 5th at St. Louis, 25th at Platte City C. C. C. Camp, 26th at Butler; moderate, 5th in St. Louis and suburban Wellston area, 22d at Fulton.

Halos.—Lunar, 10th; solar, 8th, 12th, 18th, 21st, 22d, 25th, 26th.

Thunderstorms.—Local, 3d, 6th, 8th, 9th, 10th, 11th, 13th, 14th, 15th, 17th, 19th, 21st, 22d, 29th, 30th; more or less general, 1st, 2d, 5th, 7th, 12th, 18th, 23d, 24th, 25th, 26th, 27th, 31st.

Windstorms.—5th at St. Louis and suburban Wellston area, with considerable damage, particularly in latter area. 6th at Warrensburg; reported as "worst storm in years". 24th at Macon, not severe. Night of 25-26th in west-central part of State, with much damage at Kansas City, where three persons were reported in newspaper accounts as being injured, one seriously. Appleton City, Carthage, Lexington, Marshall, and Warrensburg also reported windstorms on the 25-26th, but amount of damage was mostly minor. This storm was accompanied by severe lightning, which extended across the State from west to east. Amount of damage not available.

ERRATA

July 1941, page 36: Prevailing wind direction at Birch Tree should be blank; mean temperature at Lebanon should be 78.3, departure should be + 1.4. Page 37: Watersheds of stations in Southwest Division from Bolivar to Roby inclusive are incorrect, should be lowered one line; daily amounts of precipitation on 9th and 11th at Osceola should be .08 and .25 respectively, total should be 1.14. Page 39: Maximum temperature at Clinton on 11th should be 89, mean maximum should be 94.0; minimum temperaturel at Clinton on 3d and 29th should be 62 and 73 respectively, mean minimum should be 65.9; maximum temperature at Lebanon on 31st should be 97, mean maximum should be 91.6.

Daily Precipitation for August 1941

Stations	Drainage-basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand		.09		T.	.77					21		.01					.04				.32					.02					.01	1.47
Amity[2]	do	T.					.36				.01		.38	T.	.04			T	.03				.30		.15		.14					.01	1.42
Bethany	do				.08	.21					.08							.08				.22					.02					.60	1.29
Bowling Green[2]	Mississippi												.35							.20					.25		1.45						2.25
Brunswick[2]	Grand						.30				.20		.12	.16					T.	.03			.02	.03	.28	1.23	.97						3.34
Canton, Lock No. 20[2]	Mississippi											.17	.27					.13	.52	T.					T.	.26	.29						1.64
Centralia[2]	do	.02			.62															.28						.80	1.12						2.84
Chillicothe[2] (A)	Grand						.68				T.		.34					T.	.15	T.			.07		.14	T.	.61						1.99
Clifton Hill	Chariton		.22					.02			.03		.11						.01						.40		1.17						1.96
Columbia[1]‡	Missouri		T.			.15	.35	.16					.29						.42			.03	.26	.03	.27	.75	.59						3.30
Conception	do	.20				.38					.78	T.	.04					T.				.78	T.	T.			T.					.04	2.22
Edgerton	do					.48						.16	1.42		.03				.12			.03		.30	.32		.75		T.			T.	3.61
Edina[2]	Mississippi												.17					.13	.09						T.	.03	.16						0.58
Elsberry	do												T.		.36				.12				.10		.20	.19	2.39						3.36
Farber[2]	do		.20								.32		.18							.16				.06	.12	.05	1.65						‖2.74
Fayette	Missouri	.28				T.			.09				.12						.16			T.	.11		.50	.25	1.45	.01					2.97
Fulton[2]	do						T.	.01	T.		.15	T.		.01						.28				.50		.15	1.43						2.53
Gallatin[2]	Grand						.51	T.			.35		.41					.05					.12		T.		.07					.26	1.77
Gorin	Mississippi												1.04					.21	.09						.11		.09						1.54
Grant City	Grand		.28			.38					.02							T.				.49					.03				.12		1.32
Hannibal[3] (A)	Mississippi								.01			.05	.13		.05			.02	.02						.55	3.25	.66						4.74
Hermann[2]	Missouri	.01					T.	.52						.01		.09				.17				.02	.33	1.95	1.22	T.					4.32
Kahoka[2]	Mississippi									.05		.04	.03		T.	.42			.18							T.	.15						0.87
Kansas City Airport[1]‡	Missouri		.09			.42		T.		T.		1.49	1.10	.03				T.	.11			T.		T.		1.36	.06	T.	T.				4.66
Kansas City University	do					.37						.14	2.04	.10					.22			T					1.06	T.				.02	3.95
Kidder[2]	Grand						1.24				.09		.80						.52				.15		.08		.15					.03	3.06
King City	Missouri					.48						T.	1.10									.81										.20	2.59
Kirksville	Mississippi				T			.69										.16	.01								.18					T.	1.04
LaBelle[2]	do												1.20					.08	.12						.21	.24							1.85
Lawson	Missouri					.31						T.	1.25	T.					.11			.04		.31	.40		1.74						4.16
Linneus[2]	Grand			.17		.02					.07		.02	.05					.15	.02			.02		.17	.08	.22						0.99
Louisiana (A)	Mississippi												.14						.10						.20		1.25						1.69
Lucerne[2]	Grand	.01				.11	.48					T.	.19					.12	.03				.09				.03					.20	1.26
Macon[2]	Chariton											.04	.03						T.	.39			.02	T.	T.	1.74	.62						2.84
Madison[2]	Mississippi			.23							.15		.04							T.				.03	.21	.30	1.28						2.24
Maryville	Missouri					.35						T.	.11					T				.67					.02					.17	1.32
Memphis[2]	Mississippi								T.				T.					.37	.05							T.	.09						0.51
Mexico[2]	do												.35							.28				.08	.08	.10	1.70						2.59
Milan[2]	Grand					.04	.07						.12					.04	.17								.08						0.52
Moberly	Mississippi	.70	.35			T.	.10				.10		T.						T						.50		1.55				T.	.02	3.32
Monroe City	do					.03							.11		T.				.05						.66		1.34						2.19
Oregon	Missouri					.41				T.		.52	1.02				T.	.05				.52					.05						2.57
Palmyra[2]	Mississippi												.17														1.50						1.67
Paris[2]	do			.03							.10									.02				.08	.30	.38	1.80						2.71
Perry[2]	do										.65									.05				.05	.15		1.80						2.70
Philadelphia[2]	do											.55													.21	.84							1.60
Platte City[2]	Missouri						.46						*	2.30	.29				*	.08			.05		.60		2.40					.25	6.43
St. Charles[2]	do											.01				T.				.15						.99	.46					.58	2.19
St. Joseph[1]‡	do					.50						.61	.29				T.	T.	.02		T.	.46		.05		.19	.01		T.				2.13
Saverton, Lock No. 22[2]	Mississippi										T.		.62					T.		T.					.02	.26	2.01						2.91
Shelbina	do					06					T.		.17						.20			T.	.69		1.01		1.10						3.23
Shelbyville[2]	do												.22							.12						2.00	.67						3.01
Steffenville[2]	do				.10							.56					.05	.03	.05						.62	.46							1.87
Tarkio	Missouri					.52							.50									.55		.08			.14						1.79
Trenton	Grand		.06		T	.43					.33	.03	.01					.09	.04			.16		T.			.06					.59	1.80
Troy[2]	Mississippi								T.					.22		.23				.15				T.		.62	2.07						3.29
Unionville[2]	Chariton					.52						T.						.13									.07					.10	0.82
Warrenton	Mississippi			.03				.12											.05	.07					1.52	.05	.97	T.			.06		2.87
Keokuk, Iowa[1]‡	do								.05	T.	.16	.03						.98	.01			T.			.45	.01	.09						1.78
Southwestern Division																																	
Altona[2]	Osage						T.	T.				.25	.40							.40		T					2.00	T.	T.				3.05
Anderson (near)	Neosho	.52		T.		.05		.54	.22				.90	.06	.05				.09			.12			.06		1.58			T.			4.19
Appleton City	Osage	.35		T.				.02	T.			.15		.09					.82			.07	.01				2.78	.17					4.46
Bolivar	do	.02				T.	T.								.62				.53			.01	.05		.03		.70	.51					2.47
Boonville[2] (A)	Missouri								.10				.04	1.85							.31					.57	1.51	T.					4.38
Buffalo[2]	Osage		.05								.30									.63					.08		.67	.52	.03				2.28
Butler[2]	do					.03		.03					.09	.15					.12	.15		.04		1.53			2.14	.03					4.31
Caplinger Mills[2]	do	T.		T			.37	.19					.14						.51			.38				1.12	2.23	.39					5.33
Carthage	Neosho			T.				.03	.08				.38	.20					.03								1.07	.54		T.			2.33
Clinton[4]	Osage						.13	T.	T.			.02	.01						1.44			T.				2.05	1.19	.01					4.85
Concordia[3]	Missouri					.76	.40							.14					.02	.06			.12				1.16	.13					2.79
Crocker[2]	Osage						.14										T			.57					.10	.13	.62	.28	.03		.06		1.93
Eldon[2]	Missouri							.02	.13											.60						.89	1.14	.16	.43			.06	3.43
Eldorado Springs	Osage			.12			.21	.32					.02	.85					.75			.55		.03			1.35	1.27					5.47
Fort Leonard Wood	Gasconade						T.	T.											.76			T.					.60	T.					1.36
Galena[2]	White		.08				T.		.18					2.35	.14	T.			T.				.12				.14	1.32					4.33
Hailey	do					T.		T.						.98	.04				.04			.06				.21	.10			.14			1.57
Harrisonville[2]	Osage				.02		.09		.08		.03		.12	.15					.03	.39			.06				2.22						3.19
Higginsville[2]	Missouri					.06	T.				T.		1.04						.03			T.	T.	T	.69		1.19						3.01
Jefferson City[2]	do	.08					.01	.05	.19					.07						.40						2.15	.90					.06	3.91
Joplin[3]	Neosho	.05		.23				.23	.04				.82	.05					.12			.05			.07		1.48	.34					3.48
Lakeside[2]	Osage							T.	.04											.51			T.	T.			1.40	1.07	.04			.26	3.32
Lamar[3]	Neosho							T.	.40					.75						.45			T.				1.75	1.10					4.45
Lebanon[2]	Osage			.08			.14													.55						.35	.65	.62					2.39
Lexington[2]	Missouri	.41					.16	.01					2.80	.30						.10					.92	.03	1.92	.06					6.71
Lockwood	Osage		.22	.23		T.			T.					1.45					.13				1.43				1.25	.58					5.29
Manes[2]	Gasconade			.15			.02													.80							.93	.54					2.44
Marshall	Missouri					T.							.25						T.						.05		2.25	.03					2.58
Mountain Grove	White						.05	.09						.12					.42	.07		.02					.72	.32					1.81
Mount Vernon	Neosho			.03					.09				T.	1.50	.05				.25			T.					.70	.92		T.			3.54
Neosho	do		.98			T.			.36				.20	1.62	.09	T.			.55	.50		.04					.69	.83		T.			5.86
Nevada	Osage			.03			.02	T.					.02	*	.70				.80					.04	.04		.95	1.01					3.61
Osceola[2]	do							.07												.75							2.75	.70					4.27
Ozark Beach[2]	White	.04	.02					.26						.07	.11									.19			.15	1.47					2.31
Pleasant Hill[2]	Osage						.40	T.	T.	T.	T.		.46	.07					.02	.36			.18		T.		1.71						3.20
Roby[2]	Gasconade		.32			*	.60													.46							.70						2.08
St. Thomas (near)[2]	Osage	.28		.18			.71	1.30					.22							.54						.75	.96	.83	.96				6.73
Sedalia	Missouri								.06				.03						.28			T.	.02	.35	1.02		1.03	.05					2.84
Seligman	Neosho		.19	.06			.98	T.	.09					.83	.07				T.			.09	.48				T.	.63		.13			3.55
Seymour (near)	White	T.													T.				.03	.55			.09				.49	.50			T.		1.66
Springfield[1]‡	do	.56				.02		.03					T.	.03	.24				.17			.36	.01		T.		2.04	.22		.11			3.79

Continued on next page

Daily Precipitation for August 1941—Continued from preceding page

Stations	Drainage basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—	*Concluded*																																
Stover[2]	Missouri																			.88				.05		.34	1.32	.14					2.73
Sweet Springs	do					T.	T.	T.					.28	T.					.09			.02	T.		.07		1.30	.05			T.	T.	1.81
Warrensburg	do		.30	T.			1.43	.02	.10				.30						.12			.06	T.		.01		2.12	.05					4.51
Warsaw (A)	Osage	T.					T.		.04				.02						1.03			.02			.50		2.10	.60	.01				4.32
Wasola	White	.50	.21				1.12	.03						.19									.07			.20		1.55					3.87
Waverly[2]	Missouri												.40	.80									.05		.80		1.85						3.90
Southeastern Division																																	
Advance[4]	St. Francis	T.						.06					1.12			.53			1.92						.11		.08	.85	T.		T.		4.67
Alton (near)	Black																			.40			.01	.21			.11	1.90	.79		.33		3.75
Annapolis	St. Francis		.28	.03			.35												2.15	.46			.46					.15	.38				4.26
Arcadia[2]	do				.78						1.12			.05						1.27			.02			.01	.15	.21	.04				3.65
Belleview	Meramec																			.48					.20		.28						0.96
Birch Tree (near)	Black																		.14	1.40			.15					.99	.08				2.76
Bragg City[2]	St. Francis						.15																	2.56		.64							3.35
Campbell	do	.05	.27					T.						.05	1.24					1.02				.01	.02	.05	.02	.78	.04		.37		3.92
Cape Girardeau[2]	Mississippi											.26		2.03			.13			1.80					.04	.01	.11	.21	.04				4.63
Caruthersville[2]	do											1.00		.25		.50				1.40				.10	T.	.10	.10	1.20	.80	.08			5.53
Centerville[2]	Black													.01						.66						.02	.17	.17	.02	T.			1.05
Crystal City	Mississippi									.04						.20			1.02						1.02		.39						2.67
Cuba[2]	Meramec		.30					.93			.23									.73						.98	.88	.33					4.38
Dexter[2]	St. Francis		.85					.35						.07						1.95				T.			.22	.52		.05			4.01
Doniphan	Black			.21									.22						.08	1.50			T.	T.	.20		.21	1.01	.08		.10		3.61
Farmington	St. Francis												1.27						.09	.31				T.	.01		.21	.48					2.37
Fisk[2]	do			.57				.04	.67					.23						3.07						.06	.12	.81	T	1.13			6.70
Fredericktown[2]	do													.10						1.78			.14				.07	.20					2.29
Gerald[2]	Meramec			.96			.12	T						.75		T				.57						1.42	1.38					.84	6.04
Goodland	Black	.04		.10				.20					.45						.15	.30							.15	.28					1.67
Greenville	St. Francis		T.	T.									.08						.95	.65					.04		.21	.65	.03				2.61
Jackson	Mississippi							T.					.74						1.70					.16	.24		.11	.35			2.14		5.44
Jerome[2]	Gasconade	.07						.10												.78							.64	.62	.66				2.87
Koshkonong	Black		.12	.16				.06						.40	.08	.05			.31	.75			T.		T.	.10	.25	.94	.28				3.50
Leeper[2]	do		.20																	1.00			T.	.35			.31	.48	T.	.09			2.43
Licking (near)	Gasconade	.12						.25											.04	.24							.56	.22					1.43
Marble Hill	Mississippi								.19				1.20	.10						1.82				.05	.10		.14	.66					4.26
Meramec Park[2]	Meramec				.57			.72												.65						1.76	.58	.07					4.35
Morehouse	Mississippi								.30					.20		.03	.45			1.69					.18	T.	T.	1.19	.02		1.20		5.26
New Madrid[2]	do	.41							3.31					.09		1.01	.56			.74				T.	.03	.14	T.	.12	.82	.10	.13		7.46
Owensville[2]	Gasconade																									2.10	.74	T.					2.84
Pacific[2]	Meramec	T.	T.			T.	.30									.34				.30						1.70	.42						3.06
Parma[3]	St. Francis								2.70					.05		T.	.12			.63				T.			.20	2.32		1.34			7.36
Perryville[2]	Mississippi							.02						.55						1.20							.20	.30					2.27
Poplar Bluff[2] (A)	Black		T.									T.		.62			.55			1.81				.09		.05	.20	.52	.18				4.02
Richwoods[2]	Meramec													1.90		.06				.62						1.77	.55	T.					4.90
Rolla[4]	do	.62				.36		T.											.45			T.		.21	.07		.63	.59					2.93
St. Louis:																																	
City Office[1]‡	Mississippi	T				1.43				T	T.		T		.34				.10						.59		.12				.05		2.63
Airport[4]‡	Missouri	.04	T.			.07					.38		.01		.09				.09					T.	.87	T.	.25	T.			.37		2.17
St. Louis Univ.[3]‡	Mississippi					1.37				.03	T.				.64				.11						.47		.10				.24		2.96
Washington Univ.[2]‡	do		.10			.01	.03				.05	.07				.46				.15						.68	.25						1.80
Salem	Meramec	.08	T.	.05															T.	.59					.19	.55	.20	.12					1.78
Sikeston[2]	Mississippi								.12					.03			.04			2.25				T.	.05	T.	T.	1.30		T.		2.07	5.86
Union	Meramec		.05			.24		.14					T.			.25			.33						2.47	.36	.76				.14		4.74
Valley Park[2]	do	.02	.72									T.	.03			.40				.20						1.12	.51	T.				.33	3.33
Van Buren	Black																		.03	.89			.50		.20		.10	.03	.18				1.93
Wappapello Dam[2]	St. Francis								.03					.13						1.72				T.	*	.59	.17	.70	T.	.08			3.42
Weingarten[2]	Mississippi	.50										.18		1.18		.15				.30							.15						2.46
West Plains[4]	Black	.13											T	T.	T.				.73			T.	.01				.12	1.53	.07				2.59
Williamsville[2]	do		.22	.02	.26			.07	.46								.02			.71			.03	.01		.01	.08	.55	.04				2.48
Willow Sprgs. (near)	White	.22				.35	.20	.04											.13					.10			.47	1.17	.08				2.76
Zalma (near)	Mississippi							.15			.05		.70	.03		.21				1.46					.01		.06	1.10	.05		.84		4.66
Cairo, Ill.[1]‡	do							.99			.01		.02		.25	.05			1.27	.03				T.	.26		.34	.84	T.	T.			4.06

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for August 1941

(See precipitation data in daily precipitation table)

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly
Lakeside (Osage Dam)	Evaporation	.166	.293	.246	.300	.320	.236	.183	.238	.297	.274	.302	.403	.213	.191	.240	.339	.360	.204	.042	.222	.211	.041	.110	.195	.153	.373	.163	.097	.129	.180	.178	6.899
	Mean temperature	85	82	86	84	78	78	82	82	82	85	85	80	78	80	84	79	80	77	74	72	69	74	76	77	84	76	76	76	78	80	84	79.5
	Wind movement	15	19	21	15	16	24	21	20	25	31	28	60	43	29	44	32	10	41	21	26	13	5	7	17	47	72	26	23	14	15	29	809
St. Louis (Washington University)	Evaporation	.197	.175	.206	.260	.260	.210	.270	.233	.288	.193	.271	.350	.252	.234	.218	.324	.294	.262	.130	.259	.141	.156	.119	.164	.175	.258	.136	.119	.168	.179	.165	6.666
	Mean temperature	84	85	84	81	84	82	84	86	86	88	90	84	72	80	83	77	79	80	71	70	71	74	78	78	80	76	74	74	78	82	85	80.0
	Wind movement	17	12	20	8	20	31	26	20	23	12	21	33	71	33	27	44	39	33	38	49	8	6	13	10	36	32	23	20	13	19	24	781

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for August 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	99	98	100	101	88	93	97	97	98	100	102	85	81	92	90	94	99	75	86	91	81	82	93	78	97	83	76	84	93	94	92	90.9
	Minimum	71	71	73	72	73	69	69	72	72	72	74	72	63	63	68	65	65	68	59	59	59	63	61	61	61	66	64	62	62	68	73	66.8
Chillicothe §§	Maximum	101	100	100	102	89	91	97	97	95	99	101	80	81	92	91	92	98	81	85	89	82	92	91	87	95	83	82	86	93	95	95	91.7
	Minimum	69	72	72	71	71	67	67	72	72	74	74	72	60	61	69	63	67	64	55	56	64	61	56	67	67	63	60	60	66	73	76	66.5
Columbia	Maximum	97	98	98	97	90	92	95	94	94	98	100	90	81	94	91	91	96	82	82	85	78	88	89	86	93	82	79	84	91	92	94	90.4
	Minimum	70	72	73	73	71	69	72	72	71	75	77	76	64	72	73	63	74	65	59	57	64	64	62	66	67	64	66	62	70	74	75	68.8
Fayette	Maximum	97	95	98	98	89	92	97	97	95	100	102	86	81	94	91	94	98	90	83	87	80	86	90	82	93	81	77	83	91	92	93	90.7
	Minimum	67	69	69	70	69	66	71	69	68	73	74	72	62	67	70	60	69	67	56	53	59	59	59	64	68	61	63	60	66	70	73	65.9
Grant City	Maximum	101	99	101	92	87	88	96	95	96	99	97	97	86	94	92	91	83	83	84	92	82	92	90	87	94	80	82	85	93	95	94	91.2
	Minimum	63	68	71	67	66	61	69	69	68	72	73	71	59	63	65	64	62	64	52	56	63	60	57	66	71	61	56	61	68	73	73	64.9
Hannibal	Maximum	96	97	95	96	91	93	96	98	98	100	103	83	83	91	86	89	86	69	80	88	87	86	87	87	92	80	79	82	90	93	93	89.5
	Minimum	72	72	71	70	71	69	70	75	74	75	74	67	56	65	70	70	62	64	56	59	64	63	64	65	67	63	63	60	65	73	75	67.2
Kansas City Airport	Maximum	94	100	97	97	84	87	94	93	96	100	101	79	76	90	89	89	95	79	82	87	84	88	91	89	93	77	77	84	91	92	94	89.3
	Minimum	73	73	75	74	67	69	70	74	75	79	71	71	63	68	71	69	73	66	61	61	69	66	65	70	64	67	64	68	72	76	78	69.7
Kirksville	Maximum	101	99	101	100	94	92	98	96	96	98	100	94	83	94	88	90	91	78	84	89	87	90	91	84	96	89	80	88	94	96	94	92.1
	Minimum	70	70	70	70	72	65	67	72	71	71	76	74	62	65	69	72	62	62	54	57	62	59	60	65	65	61	57	60	64	73	75	66.2
Lawson	Maximum	96	96	98	100	88	89	94	92	93	98	101	81	77	90	88	90	95	84	80	85	77	87	89	86	90	81	77	81	89	91	91	88.8
	Minimum	71	70	71	72	67	66	69	70	70	73	74	70	63	66	68	64	67	65	55	58	64	62	63	65	69	62	61	63	68	72	74	66.8
Louisiana	Maximum	100	97	97	95	90	90	95	97	95	100	101	87	80	95	90	85	88	80	75	85	80	90	89	89	88	82	81	84	91	95	95	89.9
	Minimum	70	67	66	62	69	68	65	72	70	69	76	72	56	65	74	70	65	70	56	50	60	58	50	62	67	67	64	59	63	72	76	65.5
Macon §§	Maximum	101	101	101	100	94	94	99	98	98	100	102	85	86	96	91	92	97	75	85	90	86	90	91	82	90	84	81	85	92	93	92	92.0
	Minimum	71	73	70	69	72	66	69	72	72	74	76	73	57	60	70	65	65	64	55	58	62	63	58	65	65	63	61	59	65	72	74	66.4
Maryville	Maximum	100	97	98	100	91	87	94	95	94	100	98	81	80	92	90	89	94	81	83	87	82	87	84	86	92	80	78	84	94	95	92	89.8
	Minimum	67	72	72	72	65	67	70	68	69	74	74	70	60	64	64	66	63	64	54	60	65	62	62	64	69	62	57	64	68	72	74	66.3
Mexico §§	Maximum	100	102	100	98	98	94	100	99	99	102	103	88	89	97	94	94	100	78	84	90	83	91	92	89	95	81	80	85	90	92	95	93.0
	Minimum	69	71	70	67	68	66	68	72	72	74	75	72	58	59	70	62	64	69	55	56	60	62	59	60	68	65	63	58	61	66	72	65.5
Moberly	Maximum	101	86	99	98	96	92	97	95	95	98	98	93	86	94	92	94	97	92	86	89	86	93	91	87	93	89	84	85	91	92	94	92.4
	Minimum	70	72	70	71	72	67	71	69	71	73	74	73	60	67	71	62	69	68	57	56	61	61	59	64	68	63	62	60	67	71	73	66.8
Oregon	Maximum	100	100	101	101	89	91	96	95	96	102	99	82	76	90	91	88	95	84	86	88	84	83	86	89	92	82	81	85	93	93	93	90.7
	Minimum	69	72	73	74	65	66	68	70	70	75	69	69	63	63	63	64	65	66	55	62	65	63	64	66	69	62	58	65	69	74	75	66.8
St. Charles §§	Maximum	100	96	90	98	96	95	96	100	103	100	104	88	87	93	95	93	95	89	85	87	89	87	91	89	97	85	78	88	94	92	98	92.8
	Minimum	74	73	72	67	70	71	70	73	76	75	76	77	60	66	74	64	67	74	61	56	59	67	68	69	69	68	69	62	66	74	76	69.1
St. Joseph	Maximum	98	98	98	99	83	89	93	93	95	98	96	85	73	88	91	90	95	82	84	86	82	88	84	85	92	82	82	82	91	92	93	89.3
	Minimum	71	74	74	73	68	69	70	73	74	75	71	70	66	66	68	66	69	66	58	60	64	64	63	67	65	63	61	65	70	74	77	68.2
Trenton	Maximum	100	98	100	101	90	91	97	98	95	101	102	83	84	95	92	92	95	84	86	91	86	90	91	87	98	88	83	86	95	96	98	92.7
	Minimum	67	70	70	72	67	68	71	72	70	70	76	72	60	66	66	64	64	63	55	56	61	60	56	60	69	63	60	61	66	73	74	65.9
Unionville §§	Maximum	105	102	102	101	93	91	98	97	98	99	100	85	85	95	93	94	80	81	86	91	87	94	90	85	99	85	81	88	95	96	98	92.7
	Minimum	66	69	68	68	66	62	65	69	68	70	72	71	56	58	64	62	60	58	51	57	61	59	57	64	66	60	54	56	60	69	72	63.2
Warrenton	Maximum	97	97	96	96	94	93	95	96	97	100	101	100	87	94	94	93	98	93	82	87	85	88	90	87	93	94	82	87	92	93	94	92.7
	Minimum	71	72	70	68	72	68	69	72	74	75	77	75	59	67	73	61	64	70	59	57	60	63	64	64	67	66	67	60	65	71	74	67.5
Keokuk, Iowa	Maximum	98	97	95	96	89	92	95	97	97	98	100	83	79	94	85	85	71	72	79	86	84	85	85	83	92	81	75	81	89	94	93	88.1
	Minimum	74	73	74	74	71	68	71	76	74	75	76	66	59	68	72	68	61	62	57	64	67	65	64	66	69	66	62	63	66	75	77	68.5
Southwestern Division																																	
Clinton	Maximum	99	102	102	100	96	94	97	95	97	101	101	81	90	96	95	99	100	81	84	88	80	90	91	90	97	83	84	86	92	92	94	92.8
	Minimum	69	68	72	69	68	67	69	68	70	71	71	71	68	70	70	62	66	66	60	56	62	63	61	65	67	64	66	68	67	71	73	67.0
Eldon §§	Maximum	97	95	98	96	92	92	97	96	96	99	102	86	87	96	93	95	97	84	81	87	81	89	92	88	96	85	82	85	91	91	93	91.6
	Minimum	71	69	69	70	68	68	68	63	70	72	72	72	66	66	66	62	62	62	60	58	58	61	62	61	67	65	65	63	64	64	70	65.7
Harrisonville §§	Maximum	99	98	100	99	92	92	95	92	95	101	102	77	82	95	94	99	97	75	85	83	83	90	91	90	97	88	79	84	91	93	94	91.4
	Minimum	71	70	72	69	72	67	68	67	69	70	71	70	64	65	69	68	67	70	61	57	63	66	69	67	65	64	63	64	67	70	72	67.3
Jefferson City §§	Maximum	98	98	100	98	93	93	97	98	97	101	100	91	85	96	95	94	98	83	82	86	86	88	91	88	95	85	83	85	92	93	93	92.3
	Minimum	69	69	68	68	67	65	69	69	70	69	73	73	62	63	70	62	65	72	57	56	60	61	61	62	65	63	64	60	62	70	73	65.7
Joplin	Maximum	95	94	95	95	94	93	91	85	91	95	96	78	82	83	92	90	92	83	81	88	85	86	85	89	93	87	82	86	88	91	91	88.9
	Minimum	76	69	75	72	74	70	71	70	72	76	78	71	73	73	74	71	71	71	65	62	68	70	64	71	72	67	68	70	72	75	76	71.2
Lamar §§	Maximum	96	98	97	98	96	95	94	91	94	97	100	80	86	89	95	93	95	80	83	88	92	90	89	93	97	88	86	88	92	93	94	91.8
	Minimum	68	67	67	66	65	65	65	64	64	67	70	67	67	68	68	63	62	63	58	53	51	61	58	59	65	62	62	64	65	66	69	63.9
Lebanon §§	Maximum	96	98	101	98	95	96	99	96	98	100	102	87	90	93	96	95	97	82	81	86	82	89	90	91	96	85	85	85	92	93	94	92.5
	Minimum	68	67	68	68	63	65	65	66	67	71	73	74	65	65	70	59	63	70	60	53	60	64	60	66	66	63	63	65	65	68	72	65.5
Lexington §§	Maximum	99	99	101	102	87	94	97	95	96	100	101	82	82	91	91	93	97	77	85	88	79	90	92	88	94	82	78	84	92	92	94	91.0
	Minimum	73	73	73	74	73	67	70	73	73	75	77	70	66	66	71	68	68	71	58	60	65	65	64	67	70	64	62	63	65	71	76	68.7
Marshall	Maximum	94	95	92	98	95	90	95	97	96	99	100	97	82	91	90	90	97	93	80	87	89	88	87	87	94	89	78	82	85	91	91	90.9
	Minimum	71	71	72	73	71	66	70	71	72	71	71	72	64	68	68	68	67	68	58	61	59	64	61	61	66	62	64	62	64	67	75	67.0
Mountain Grove	Maximum	97	91	95	96	96	96	92	92	94	99	99	92	87	91	95	96	94	87	84	86	83	83	85	88	94	89	78	83	89	89	92	90.7
	Minimum	70	68	68	70	62	66	68	67	68	71	73	74	66	67	71	62	68	69	62	54	59	64	60	66	67	64	67	69	66	68	70	66.6
Neosho	Maximum	93	94	94	94	94	94	92	87	91	95	95	95	77	80	92	92	92	92	81	85	91	86	81	91	90	90	88	88	88	90	92	89.8
	Minimum	72	69	69	66	65	65	65	65	67	70	70	70	70	68	69	60	61	62	65	53	61	62	57	64	66	66	66	64	64	70	72	65.6
Nevada	Maximum	99	99	101	101	96	96	97	93	96	101	102	95	88	91	95	96	98	90	84	87	87	90	88	90	97	92	85	89	93	93	94	93.6
	Minimum	70	69	71	69	68	68	68	67	70	70	72	69	69	69	70	63	66	70	61	56	56	66	60	64	68	64	67	65	68	67	72	66.8
Sedalia	Maximum	97	98	100	98	95	91	98	95	96	100	100	97	82	96	93	95	100	97	83	88	85	90	90	88	95	94	80	83	91	93	94	93.0
	Minimum	71	70	73	71	70	68	70	71	71	74	74	72	65	69	73	63	69	69	57	60	65	63	62	60	69	64	65	64	69	72	74	68.0
Springfield	Maximum	96	92	93	94	94	90	93	90	93	96	98	85	86	86	93	91	92	85	80	84	80	81	85	89	95	81	80	83	89	89	91	88.9
	Minimum	70	68	71	69	65	66	69	66	68	70	70	72	70	69	67	62	65	65	57	54	62	63	60	66	67	66	66	66	69	71	72	66.5
Warrensburg	Maximum	101	103	100	101	95	95	95	94	95	100	102	86	83	92	92	98	100	90	85	90	84	95	93	87	100	87	83	85	94	94	96	93.4
	Minimum	71	71	71	71	71	67	67	69	71	73	74	71	65	68	71	65	68	69	58	57	64	63	62	67	67	64	62	64	69	72	74	67.6
Southeastern Division																																	
Arcadia §§	Maximum	100	99	97	95	98	95	98	102	102	101	102	102	86	97	99	96	96	92	85	86	84	91	89	89	95	88	81	85	93	94	95	93.9
	Minimum	69	71	67	62	60	66	67	71	71	70	72	75	62	65	71	59	59	69	63	52	52	58	62	64	68	67	68	64	64	66	71	65.3
Birch Tree (near)	Maximum	94	95	97	95	96	96	96	97	97	101	101	100	89	84	97	94	95	95	82	84	83	84	85	87	92	84	82	82	88	90	91	91.4
	Minimum	69	68	68	65	66	67	65	65	68	68	69	68	66	64	70	68	64	63	61	53	54	62	63	63	66	64	66	67	67	69	69	65.3
Caruthersville §§	Maximum	95	94	96	93	96	95	96	95	98	100	100	96	89	92	90	88	92	94	82	82	84	85	85	90	88	92	80	83	87	90	92	90.9
	Minimum	77	71	73	69	69	70	75	72	71	73	73	76	68	69	72	70	67	72	67	62	60	67	67	70	72	75	70	67	70	72	71	70.2
Crystal City	Maximum	98	100	97	96	99	96	98	102	97	102	104	98	86	97	96	92	93	91	81	83	87	88	89	90	95	83	80	84	92	95	94	93.0
	Minimum	66	69	68	60	62	68	68	68	67	71	71	74	61	67	71	60	60	64	60	63	53	58	63	65	64	67	62	62	62	74	70	65.1
Doniphan	Maximum	97	95	95	94	96	95	96	98	98	101	103	99	89	93	98	94	98	99	82	86	87	87	90	90	91	84	80	86	90	92	91	92.7
	Minimum	71	70	70	67	60	69	67	67	66	69	70	72	69	67	71	64	60	61	62	54	51	61	66	66	66	69	69	68	69	70	68	66.1
Farmington	Maximum	98	96	96	94	96	97	95	100	100	101	103	101	83	96	95	91	94	90	81	84	85	88	89	89	94	84	79	83	92	93	95	92.3
	Minimum	70	70	70	65	72	73	69	71	72	72	75	68	64	67	73	66	69	70	62	63	55	65	64	67	70	68	69	63	64	71	72	68.0
Jackson	Maximum	98	97	98	95	98	97	97	100	98	101	102	101	87	92	93	93	92	92	89	83	84	87	88	87	89	87	85	86	89	89	90	92.4
	Minimum	69	69	68	59	61	70	71	72	69	71	72	75	63	68	73	63	63	67	64	55	56	56	65	67	70	69	70	68	66	74	70	66.9
Poplar Bluff	Maximum	101	100	98	96	101	99	100	101	101	104	105	102	87	96	96	98	96	99	86	86	87	87	90	90	92	94	86	85	93	92	96	95.0
	Minimum	71	73	73	71	68	72	73	73	71	74	74	75	67	69	69	68	68	67	64	59	56	64	67	71	71	70	70	70	70	73	71	69.5
Rolla	Maximum	92	92	93	91	90	90	93	93	94	96	97	88	87	92	93	90	93	82	79	82	81	89	89	87	95	81	77	82	90	92	92	89.1
	Minimum	72	72	72	71	70	68	70	71	71	74	76	72	63	69	70	63	68	64	64	60	58	66	65	66	68	65	66	63	68	72	74	68.1
St. Louis	Maximum	96	98	96	96	93	94	96	97	97	99	100	91	85	92	90	89	91	87	80	84	85	84	90	90	93	82	80	85	90	90	95	90.8
	Minimum	77	78	77	75	66	70	75	77	79	81	81	68	61	69	74	70	69	66	64	64	66	70	70	69	70	70	68	64	71	75	77	71.3
Salem	Maximum	94	94	94	94	95	93	96	96	97	100	101	94	87	96	97	92	95	86	81	84	82	88	89	90	97	84	79	81	90	93	95	91.4
	Minimum	71	70	68	65	61	69	67	69	68	71	73	75	63	69	73	59	63	68	64	53	56	64	64	66	68	65	67	65	65	71	72	66.5
Sikeston §§	Maximum	102	99	99	95	100	100	102	101	103	106	106	105	90	98	100	95	98	98	84	85	88	88	89	90	91	93	83	87	90	90	95	95.2
	Minimum	71	71	69	66	64	70	74	72	72	73	75	77	65	68	73	65	65	68	64	58	56	65	69	71	71	71	69	68	70	72	70	68.8
Union	Maximum	98	101	100	97	99	96	98	99	100	103	103	97	88	97	99	95	97	91	86	88	87	89	92	93	97	91	81	87	93	95	97	94.6
	Minimum	67	71	69	64	69	68	69	71	69	71	71	76	61	67	72	59	60	70	61	51	53	59	62	61	68	66	69	60	63	72	75	65.9
West Plains	Maximum	96	94	96	94	95	94	96	96	96	99	100	96	88	93	96	93	93	95	84	85	82	85	87	88	93	91	77	82	89	91	92	91.5
	Minimum	70	69	67	64	60	69	66	65	71	70	71	72	70	70	74	64	61	68	58	54	55	63	62	65	68	66	68	68	65	68	70	66.2
Cairo, Ill.	Maximum	94	96	95	90	95	96	97	94	96	99	98	95	86	91	89	89	93	91	80	81	84	84	84	86	88	89	81	84	86	88	90	90.0
	Minimum	76	73	75	70	72	72	74	74	75	76	77	74	67	70	73	69	68	70	66	63	63	68	71	70	73	70	69	69	72	75	74	71.2

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^{a}, ^{b}, ^{c}, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 9-29-41—1150.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

UNIVERSITY OF ILLIN

19

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

Vol. XLV   September 1941   No. 9

Price: 5 Cents a Copy; 25 Cents a Year

GENERAL SUMMARY

Warm weather continued during September, but moisture conditions generally were greatly improved, and the severe droughty conditions which had prevailed during most of the two preceding months were completely broken, except in the extreme southeast portion of State. All growing crops and grasses took a new lease on life, making rapid recovery and luxuriant growth. Water supplies were adequately restored and streams were again flowing.

Temperatures this month were above normal for the sixth consecutive month, but no unusual extremes were recorded. All divisions averaged from more than one to as much as three degrees warmer than normal, with the Northern Division showing the greatest excess. Lamar was the only station having a monthly mean temperature below normal, while the monthly mean at Steffenville was exactly normal. All other stations averaged from approximately one to nearly five degrees warmer than normal. Warm periods were 1st-9th, 13th-24th, with a cool period the last five days. The 26th was the coldest day, generally, when minimum temperatures were in the thirties and forties and light frost formed locally in exposed places in the northern portion of the State, but without damage.

Precipitation this month was very irregularly distributed, being unusually heavy over much of the State and extremely light in the extreme southeast portion. A few stations in this area reported monthly amounts of less than one-half inch while more than eleven inches occurred in the south-central portion, the wettest area. The average for the State was 1.82 inches above normal and it was the wettest September since 1936. Rains were quite frequent and well distributed throughout the month, with principal periods of fall occurring on the 1st-9th, 13th-17th, 24th-25th, and 28th-30th. Amounts were heavy to excessive at a number of stations on the 24th-25th when falls of as much as four inches and over occurred within a twenty-four hour period. These excessive rains resulted in some damage by erosion and rapid rises in smaller streams, the result of a tropical storm which moved up from the Texas Gulf Coast and traveled northeastward, crossing the southeastern portion of Missouri on the 24th-25th.

Most crops had matured and were safe from frost damage by the end of the month. Corn was drying out nicely and some was being gathered for early feeding. Early sown wheat and barley for pastures made rank growth and were being pastured the latter part of the month. A rather small percentage of the winter wheat crop was sown, but the bulk of this work was being delayed until danger from fly damage was past. Cotton in the southeastern counties was producing a bountiful crop and gins were running night and day to meet the demand. The dry weather in the extreme southeast was very beneficial for maturing, picking, and ginning of cotton.

There were no damaging storms, except some local wind damage on the 7th and 9th. An unusually bright display of aurora borealis occurred on the night of the 18th-19th.
—M. R. W.

TEMPERATURE

The monthly mean for the State, 94 stations reporting, was 71.6°, or 2.2° above normal. The highest monthly mean was 75.6° at Campbell and Poplar Bluff, and the lowest monthly mean was 68.5° at Unionville. The highest recorded was 97°

(Continued on page 49)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	Percentage of sunshine
Columbia	30.00*	30.47*	29	29.50*	21	9.9	21	nw.	25	87*	60*	69*	73
Kan C. Airport	29.96	30.49	28	29.60	24	11.1	34	sw.	27	83	58	61	62
St. Joseph	29.95*	30.48*	28	29.57*	7	9.0	21	nw.	30	92*	61*	69*	65
St. Louis	30.02*	30.46*	29	29.30*	24	11.6	38	sw.	9	76	54	56	65
Springfield	30.00	30.40	28	29.42	24	10.8	36	sw.	4	88	63	73	63
Cairo, Ill.	30.04	30.40	29	29.33	24	7.7	29	se.	24	81	51	..	82
Keokuk, Iowa	30.00§	30.49	29	29.49	25	7.7	26	w.	8	75	51	..	72

* Data for Airport Station. § 7:30 A. M.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	65.2	97	28	1.01	1.13	0.87	1.02	0	4	..	..	..
1889	61.7	94	32	4.68	5.55	4.66	3.83	0	11	..	..	..
1890	63.7	98	30	4.36	3.25	5.49	4.34	0	9	..	..	..
1891	70.6	104	34	0.72	0.53	0.90	0.72	0	6	..	..	..
1892	67.8	97	32	2.46	2.73	2.71	1.93	0	4	19	6	5
1893	69.9	107	26	4.07	3.50	3.96	4.74	0	6	17	7	6
1894	68.5	101	34	4.94	4.16	6.42	4.23	0	8	13	11	6
1895	71.8	104	24	2.38	2.04	2.43	2.66	0	4	19	8	3
1896	65.0	101	28	4.09	4.67	3.92	3.69	0	10	11	10	9
1897	74.3	105	27	0.67	0.97	0.61	0.43	0	2	23	5	2
1898	70.9	103	37	6.70	6.76	7.25	6.10	0	9	15	9	6
1899	67.4	108	21	1.96	2.27	1.79	1.81	0	4	20	6	4
1900	71.1	100	29	4.59	4.77	5.56	3.44	0	10	13	10	7
1901	68.9	103	27	2.16	2.41	2.75	1.31	0	6	18	8	4
1902	63.2	95	30	4.63	4.74	5.36	3.79	0	10	15	6	9
1903	66.6	98	32	4.16	5.64	3.56	3.28	0	8	17	6	7
1904	69.6	96	34	3.77	4.72	2.78	3.82	0	7	16	8	6
1905	69.6	98	41	7.40	8.20	8.36	5.64	0	10	15	6	9
1906	71.9	98	36	4.53	3.54	3.75	6.31	0	11	15	8	7
1907	68.9	101	31	2.06	2.35	1.62	2.20	0	6	18	7	5
1908	71.6	99	28	2.15	1.49	2.69	2.27	0	4	18	8	4
1909	68.7	105	28	4.48	5.30	3.35	4.79	0	8	18	6	6
1910	69.5	97	31	5.45	5.90	6.44	4.01	0	10	14	6	10
1911	73.7	105	39	6.27	8.17	5.98	4.65	0	11	13	7	10
1912	68.6	105	27	3.11	2.72	2.87	3.74	0	6	17	5	8
1913	69.4	109	27	4.75	3.74	4.64	5.88	0	9	13	7	10
1914	69.6	99	35	6.06	7.19	6.01	4.98	0	9	15	8	7
1915	70.6	98	34	5.18	6.21	6.93	2.40	0	7	16	7	7
1916	67.8	101	27	2.97	2.73	3.18	2.99	0	6	19	7	4
1917	67.9	101	33	2.76	2.97	3.64	1.66	0	5	19	6	5
1918	62.3	96	29	4.83	4.11	5.44	4.95	0	7	17	6	7
1919	71.4	104	38	3.14	4.13	1.95	3.34	0	5	20	6	4
1920	70.0	100	31	4.60	4.37	5.78	3.64	0	9	17	7	6
1921	73.4	104	34	6.94	8.05	7.03	5.74	0	13	13	9	8
1922	71.7	107	31	3.10	3.95	3.62	1.74	0	5	21	5	4
1923	68.7	98	33	4.44	4.84	4.75	3.74	0	11	12	9	9
1924	61.0	96	29	3.79	3.41	4.55	3.40	0	8	14	8	8
1925	74.6	110	45	6.56	5.84	6.48	7.37	0	10	14	6	10
1926	69.3	97	27	8.64	11.74	9.12	5.06	0	13	12	7	11
1927	71.6	102	29	3.72	3.11	3.41	4.65	0	8	17	7	6
1928	65.0	95	28	2.50	5.36	1.62	0.53	0	5	20	7	3
1929	67.4	98	33	3.16	3.16	2.83	3.48	0	8	13	10	7
1930	71.3	105	37	4.28	2.86	5.48	4.49	0	8	16	7	7
1931	75.0	104	36	3.91	5.97	3.18	2.58	0	7	19	7	4
1932	67.8	99	33	2.56	2.08	2.04	3.57	0	6	17	8	5
1933	74.6	102	36	4.69	3.00	4.92	6.16	0	9	16	8	6
1934	65.6	95	32	7.39	7.49	7.79	6.89	0	12	12	8	10
1935	68.1	98	33	3.51	4.30	3.13	3.10	0	6	20	4	6
1936	73.6	109	37	8.62	8.76	9.98	7.12	0	11	11	9	10
1937	69.4	103	29	2.41	1.12	2.53	3.57	0	5	18	7	5
1938	71.6	103	30	1.85	1.51	2.40	1.65	0	6	18	7	5
1939	75.5	108	30	0.81	0.42	0.74	1.27	0	2	23	5	2
1940	68.8	100	28	0.69	0.35	1.11	0.62	0	3	19	6	5
1941	71.6	97	35	5.83	5.98	7.34	4.17	0	9	14	9	7
Period	**69.4**	**110**	**21**	**4.01**	**4.19**	**4.22**	**3.62**	**0**	**8**	**16**	**7**	**7**

Climatological Data for September 1941

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	0	70.2	......	95	3†	35	26	38	12	6.13	+0.58	1.99	0	12	13	12	5	s.	Curtis E. Grace
Bethany	Harrison	916	46	70.7	+ 3.6	93	3†	38	26	36	48	5.00	+0.44	1.49	0	10	19	6	5	s.	A. S. Cumming
Brookfield	Linn	767	0	69.0[b]	......	..	..	35	26	37	0	....	......	....	0	..	12[h]	5[h]	5[h]	......	E. W. Patrick
Brunswick	Chariton	652	60	71.2	+ 4.2	93	20	42	26†	41	62	5.80	+0.99	3.25	0	10	14	7	9	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	3	69.8	......	92	4	39	26	29	11	5.18	+1.44	1.55	0	10	14	10	6	se.	Lockmaster
Chillicothe	Livingston	779	32	70.6	+ 3.1	93	3†	38	26	39	35	5.64	+0.86	1.59	0	11	15	7	8	se.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	42	72.8	+ 4.2	92	3†	40	27	41	32	3.40	−1.14	1.20	0	6	19	6	5	s.	Dr. A. J. Bradsher
Columbia	Boone	740	51	71.6	+ 2.2	91	3	42	26	30	51	6.35	+2.00	2.27	0	13	14	9	7	s.	U. S. Weather Bureau
Conception	Nodaway	980	52	70.4	+ 3.2	94	1	40	28	39	57	6.28	+1.64	2.35	0	11	13	14	3	se.	Fr. Adelhelm Hess
Edgerton	Platte	856	21	71.0[a]	+ 3.1	92	5	35	26	38	30	3.46	−1.13	0.89	0	10	18	4	8	e.	Fred L. Stiff
Elsberry	Lincoln	449	10	71.2	+ 1.9	94	1	37	26	40	10	5.48	+2.48	2.55	0	8	12	12	6	sw.	Ray E. Mills
Fayette	Howard	760	61	70.2	+ 2.1	91	4	39	26	33	58	5.47	+0.51	1.85	0	11	11	9	10	s.	Irvin E. Schnell
Fulton	Callaway	818	53	73.0	+ 4.1	94	3†	42	26	36	49	6.84	+2.35	2.15	0	11	14	12	4	sw.	J. Roy Jackson
Grant City	Worth	1,134	37	69.6	+ 2.6	95	3	41	28	34	49	8.47	+3.78	2.60	0	10	16	8	6	sw.	Howard Rybolt
Hannibal	Marion	759	49	70.2	+ 2.5	91	20	42	26	31	57	10.36	+6.39	4.10	0	12	11	4	15	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	52	72.4	+ 3.5	92	3	42	26	31	52	4.62	+0.06	1.57	0	10	9	8	13	se.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	3	71.5	......	92	3	40	26	32	3	6.28	......	2.20	0	10	9	13	8	sw.	University of Kansas City
Kidder	Caldwell	1,020	49	70.2	+ 2.9	92	5	39	26	33	53	3.40	−1.80	1.03	0	10	14	12	4	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	52	70.3[b]	+ 4.0	92	1†	38	26	35	59	5.07	−0.11	1.11	0	13	14	11	5	sw.	Howard Coons
Lawson	Ray	1,070	3	69.8	......	90	7	40	26	31	3	5.09	......	2.04	0	11	11	14	5	s.	Elmer E. Lamb
Louisiana	Pike	469	47	72.4	+ 4.4	95	6†	39	26	45	60	7.20	+2.77	2.25	0	9	19	3	8	w.	Stark Bro's Nurseries
Macon	Macon	875	42	70.4	+ 2.5	91	3†	40	26	34	48	5.77	+1.33	2.00	0	10	16	10	4	nw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	51	69.6	+ 4.0	91	3†	40	26†	36	47	7.82	+3.14	2.93	0	10	14	6	10	se	R. B. Montgomery
Memphis	Scotland	787	2	69.6	......	95	4	37	26	42	11	5.61	+1.43	2.03	0	9	14	5	11	sw.	John W. Alexander
Mexico	Audrain	800	52	70.4	+ 1.9	94	20	40	26†	40	63	6.49	+1.52	2.05	0	12	..	..	..	s.	Mrs. Abbie Snoddy
Moberly	Randolph	875	4	71.0	......	92	3†	39	26	32	4	6.86	......	2.43	0	10	16	7	7	s.	Beverly Coomes
Oregon	Holt	1,048	85	71.6	+ 4.5	94	4	38	28	42	85	5.46	+0.36	2.02	0	10	17	9	4	sw.	Miss Mina Wright
St. Charles	St. Charles	520	53	73.2	+ 4.9	95	7	43	26	36	63	4.17	+0.33	2.07	0	5	13	14	3	s.	Martin L. Comann
St. Joseph	Buchanan	957	31	70.6	+ 2.2	92	3	43	28	32	69	5.40	+1.48	2.88	0	14	11	8	11	s.	U. S. Weather Bureau
Saverton, Lock No. 22.	Ralls	472	3	71.8	......	92	8	43	28†	31	3	10.89	......	4.74	0	13	18	10	2	se.	Lockmaster
Shelbina	Shelby	779	0	69.8	......	92	3	39	26	34	48	6.42	+1.48	1.80	0	11	16	8	6	se.	Guyman Hatcher
Steffenville	Lewis	650	43	69.0	0.0	90	3†	39	26	34	48	6 08	+1.58	2.25	0	10	12	13	5	s.	Frank Hall
Tarkio	Atchison	916	38	68.6	+ 2.3	91	3	38	28†	35	47	9.84	+5.60	4.34	0	10	7	12	11	sw.	Albert Volker
Trenton	Grundy	822	45	71.1	+ 3.9	94	3†	38	26	34	46	5.01	+0.26	1.34	0	10	15	10	5	s.	W. H. Estes
Unionville	Putnam	1,062	48	68.5	+ 1.4	95	3	36	26	42	48	5.84	+0.75	1.60	0	12	13	7	10	sw.	John H. Schick
Warrenton	Warren	816	59	71.8	+ 2.8	95	20	41	26	36	51	6.52	+2.16	1.97	0	9	11	13	6	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia	574	69	70.8	+ 3.3	92	4	44	26	28	69	4.73	+0.89	1.44	0	12	12	6	12	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	70.7	+ 3.0	**95**	**3†**	**35**	**26**	**45**	..	**5.93**	+1.79	**4.74**	**0**	**10**	**14**	**9**	**7**	**sw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	37	71.6[a]	+ 0.6	93	3	48	10†	35	42	5.66	+1.78	2.00	0	7	8	14	8	e.	E. S. Taylor
Appleton City	St. Clair	813	46	71.1	+ 0.7	92	3†	39	26	33	49	11.12	+6.74	3.10	0	12	17	3	10	sw.	Rolla Brown
Bolivar	Polk	1,071	38	71.8	+ 1.9	93	2	42	26	32	46	7.60	+3.39	2.43	0	12	17	6	7	s.	Southwest Baptist College
Boonville	Cooper	650	3	70.4	......	91	3†	44	26†	28	64	7.09	+1.90	2.29	0	10	18	4	8	se.	Boonville Water Dept.
Carthage	Jasper	962	7	72.7	......	92	2†	40	26	35	17	9.93	......	3.01	0	10	15	8	7	s.	Carthage W. and E. Plant
Clinton	Henry	786	48	71.0	+ 0.2	94	2	38	26	36	54	7.48	+2.96	2.92	0	12	3	16	11	se.	U. S. Weather Bureau
Eldon	Miller	934	46	70.4	+ 1.0	93	4†	41	26†	40	42	7.81	+3.19	1.79	0	12	11	10	9	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	0	72.8	......	93	2	42	26	31	0	11.33	......	2.87	0	9	19	7	4	nw.	U. S. Army Medical Corps
Harrisonville	Cass	904	63	69.6	+ 1.1	90	2†	39	26	32	66	8.22	+3.32	2.39	0	11	9	10	11	s.	John H. Patterson
Jefferson City	Cole	557	51	70.0	+ 0.7	92	2	40	26	38	59	6.87	+2.64	2.30	0	11	20	2	8	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	19	72.8	+ 0.7	90	2†	46	26	26	36	9.68	+5.76	2.33	0	9	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	10	72.3	+ 1.3	95	2†	43	26	33	10	9.29	+4.89	1.88	0	11	..	..	..	s.	W. S. Frame
Lamar	Barton	980	53	69.8	− 1.0	94	3	38	26†	43	60	7.98	+3.43	3.95	0	8	17	6	7	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	53	69.8	+ 0.4	93	4	39	26	39	54	7.84	+3.35	3.08	0	9	14	6	10	s.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	56	71.6	+ 2.8	92	3†	43	26	34	57	5.23	+0.46	2.40	0	12	20	6	4	s.	Miss Carrie Loomis
Lockwood	Dade	1,078	35	72.2	+ 1.3	97	2	41	26	35	45	7.87	+3.09	2.52	0	9	19	6	5	se.	Hubert A. Nieman
Marshall	Saline	779	54	71.6	+ 2.8	91	4†	40	28	41	51	4.18	−1.32	1.25	0	9	17	8	5	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	40	70.8	+ 1.9	90	4	41	26	32	44	6.46	+2.40	3.58	0	8	4	25	1	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	29	73.0	+ 2.5	94	3†	38	26	40	41	5.59	+1.75	2.15	0	9	6	15	9	s.	G. H. Boswell
Neosho	Newton	1,011	54	72.1	+ 1.6	92	1†	39	26	36	58	5.69	+1.40	1.63	0	9	18	5	7	s.	U. S. Fisheries Station
Nevada	Vernon	862	48	72.1	+ 2.6	94	1†	39	26	37	49	9.97	+5.66	3.73	0	12	16	9	5	sw.	Henry Kraft
Ozark Beach	Taney	700	1	73.2	......	95	3	46	26†	40	16	7.37	+4.18	4.74	0	6	8	13	9	......	V. Smith
Sedalia	Pettis	910	28	71.7	+ 2.5	94	1	41	26	30	30	7.06	+2.16	1.90	0	12	15	7	8	se.	Dr. J. E. Cannaday
Seligman	Barry	1,542	40	70.3[a]	+ 0.7	89	3	48	10†	27	38	5.92	+2.24	1.86	0	7	15[a]	8[a]	6[a]	se.	Floyd E. Fawver
Seymour(near)	Webster	1,642	35	69.6	+ 0.8	91	3	38	26	32	35	7.51	+3.49	4.40	0	9	17	3	10	se	A. L. Hailey
Springfield	Greene	1,301	53	70.2	+ 1.3	91	3	40	26	29	53	7.64	+4.12	2.12	0	12	9	10	11	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	0	71.2	......	94	4	36	26	37	0	4.14	......	1.07	0	12	19	1	10	n.	H. F. Nelson
Warrensburg	Johnson	878	54	71.0	+ 0.8	93	3†	40	25†	43	61	5.88	+1.10	1.47	0	8	14	8	8	sw.	E. A. Markey
Warsaw	Benton	687	40	71.4	+ 0.9	93	3	42	26	31	46	11.07	+6.04	3.50	0	12	8	16	6	s.	Everett Martin
Wasola	Ozark	1,294	0	71.8	......	91	3	45	26	29	1	7.39	......	4.86	0	7	18	7	5	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	71.3	+ 1.3	**97**	**2**	**36**	**26**	**43**	..	7.34	+3.12	**4.86**	**0**	**10**	**14**	**9**	**7**	**s.**	
Southeastern Division																					
Advance	Stoddard	354	4	72.2	......	92	1	39	26	42	4	4.14	......	2.20	0	9	11	15	4	sw.	U. S. Weather Bureau
Arcadia	Iron	926	60	71.3	+ 3.7	94	2†	41	26	41	63	5.86	+1.88	2.65	0	8	16	7	7	......	Arcadia College
Birch Tree(near)	Shannon	1,000	46	72.0	+ 2.2	91	19†	40	26	34	47	5.33	+1.65	3.30	0	8	19	6	5	s.	V. H. Kirkendall
Campbell	Dunklin	314	15	75.6	+ 4.0	96	8	49	26	35	15	0.48	−3.39	0.17	0	7	15	14	1	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	45	75.2	+ 0.7	94	1†	48	26	42	49	1.78	−1.43	0.83	0	3	25[a]	0[a]	4[a]	s.	Victor T. Malloure
Crystal City	Jefferson	420	7	70.8	......	93	7†	41	26	38	7	5.28	......	2.20	0	10	11	8	11	w.	Frank Magre
Doniphan	Ripley	344	37	73.5	+ 2.3	96	1	42	27	45	37	4.26	+0.65	1.57	0	8	22	3	5	sw.	Boyce Lackey
Farmington	St. Francois	896	30	73.5	+ 3.9	95	2	44	26	38	44	5.04	+1.24	1.95	0	8	15	5	10	s.	F. M. Karsch
Goodland	Iron	1,000	48	70.8	+ 3.0	95	1	39	26	42	48	6.25	+2.39	4.20	0	8	18	6	6	s.	F. M. Adams
Greenville	Wayne	381	32	72.6	+ 1.8	97	20	89	26	46	34	4.28	+0.96	1.17	0	11	17	7	6	ne.	Beuford Shoemake
Jackson	Cape Girardeau	428	50	73.2	+ 3.1	92	8	43	27†	39	51	3.65	−0.37	1.23	0	6	20	9	1	s.	L. R. Crites
Koshkonong	Oregon	958	40	73.0	+ 1.6	92	20	46	26	30	41	4.48	+0.84	2.54	0	7	16	8	6	se.	R. M. Hitt

Continued on next page

Climatological Data for September 1941—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.									Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—	*Concluded*																					
Licking(near)	Texas	1,170	4	71.6	......	94	1†	38	26	40	4	8.80	......	3.10	0	10	18	6	6	sw.	U. S. Forestry Service
Marble Hill	Bollinger	470	46	72.6	+ 1.9	93	1†	40	26†	42	48	8.92	+0.04	1.86	0	7	17	12	1	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	36	75.6	+ 3.9	95	1†	44	27	42	37	1.01	−2.88	0.52	0	5	14	15	1	s.	B. R. Wheetley
Rolla	Phelps	1,202	41	71.0	+ 2.3	91	2	44	26	29	57	7.09	+2.95	3.49	0	10	13	5	12	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	104	73.4	+ 2.9	93	7	47	29	27	104	3.58	+0.12	1.78	0	10	14	6	10	sw.	**Section Center**
St. Louis Airport	St. Louis	556	4	71.6	......	94	8	43	26	33	10	4.45	......	2.67	0	10	13	5	12	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	29	73.3	+ 2.4	93	7†	47	29	29	29	3.09	−0.67	1.32	0	11	18	6	6	se.	St. Louis University
Salem	Dent	1,173	37	70.7	+ 1.5	91	2	41	26	35	40	9.42	+5.54	3.55	0	11	13	5	12	s.	E. E. Martin
Sikeston	Scott	318	34	75.4	+ 4.3	96	1†	44	26	40	41	1.76	−2.12	0.71	0	7	11	17	2	sw.	Mrs. Hazelle P. Young
Union	Franklin	520	3	71.3	......	97	20	40	26	45	24	4.90	+0.71	2.80	0	10	15	4	11	s.	Robert Mueller
Wappapello Dam	Butler	475	2	74.8	......	93	1	43	26	37	2	1.86	......	0.55	0	7	16	13	1	sw.	J. E. Harns
Weingarten	St. Genevieve	833	0	72.6	......	92	19	48	29	34	1	3.80	......	1.47	0	7	12	2	16	s.	John A. Kettinger
West Plains	Howell	1,005	4	70.8	......	92	1	42	26	38	4	6.36	......	4.16	0	8	7	17	6	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	0	71.3	......	94	1	38	26	39	34	6.26	+2.18	3.64	0	10	22	2	6	nw.	G. W. Yarnell
Cairo, Ill.	Alexander, Ill.	315	69	75.2	+ 3.7	93	1	52	26	29	70	1.58	−1.31	0.47	0	7	10	15	5	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**72.8**	**+ 2.7**	**97**	**20**	**38**	**26**	**46**	..	**4.17**	**+0.55**	**4.74**	**0**	**8**	**16**	**8**	**6**	**s.**	
State means	**and extremes**	.....	..	**71.6**	**+ 2.2**	**97**	**2†**	**35**	**26**	**46**	..	**5.83**	**+1.82**	**4.86**	**0**	**9**	**14**	**9**	**7**	**s.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Bragg City, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, Weingarten, and Willow Springs.

Continued from page 47

at Lockwood on the 2d and at Greenville and Union on the 20th, and the lowest was 35° at Albany, Brookfield, and Edgerton on the 26th. The greatest daily range was 46° at Greenville on the 20th.

PRECIPITATION

The average for the State, 160 stations reporting, was 5.83 inches, or 1.82 inches more than normal. The greatest local monthly amount was 11.33 inches at Fort Leonard Wood, and and the least local monthly amount was 0.33 inch at Deering. The greatest amount in any twenty-four hours was 4.86 inches at Wasola on the 24th-25th. The average number of days with 0.01 inch or more was 9.

MISCELLANEOUS PHENOMENA

Auroras.—18th, 19th, 20th.

Fogs.—Dense, 10th, 11th, 18th, 23d, 26th, 27th, 29th.

Frost.—Light, 26th, locally in northern portion of State.

Hail.—Light, 6th at Maryville; 8th at Lawson and Linneus.

Halos.—Solar, 6th, 7th, 13th, 24th, 27th, 29th; lunar, 7th.

Thunderstorms.—Local, 2d, 3d, 4th, 5th, 7th, 8th, 13th, 15th, 17th, 24th, 27th, 28th, 29th, 30th; more or less general, 1st, 6th, 9th, 16th.

Windstorms.—At Conception on 7th with some wind damage. On 9th in St. Louis, and in St. Louis and St. Charles counties with minor damage to trees, roofs, chimneys, window glass, and wires.

ERRATA

August 1941, page 41: Second paragraph, next to last line, word fourth should read fifth.

Daily Precipitation for September 1941

Stations	Drainage-basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Northern Division																																	
Albany	Grand		.36		.20			1.62	.01	.38				.60		.91	1.08								.03				.26	.18	.50		6.13
Amity²	do		.08	.02				.29	.04	1.20	T.				.15	.53	.92									.05			.47	T.	.77		4.52
Bethany	do		.25					1.49	.15	.63				.25		.40	.81												.26	.21	.55		5.00
Bowling Green²	Mississippi		.45	.60		*	.29			.81	.40						.77	.24								2.44			.27		.25		6.52
Brookfield	Grand									1.65				T.		T.	.17								T.	T.			.34	.36	.40		[illegible]
Brunswick²	do		.20	3.25		.08				.90	.20						.17									.12			.20	.11	.57		5.80
Canton, Lock No. 20²	Mississippi			.97		.26		.88		1.36	.19				T.	T.	.17									1.04			.06	.07	.18		5.18
Centralia²	do.		.38	.88		.60				1.20	.35						.20									1.52				.40	.38		5.91
Chillicothe² (A)	Grand	T.	.71		.29			.13	T.	1.59	.12			T.	.15		.94									.20			.42	.06	1.03		5.64
Clifton Hill	Chariton		.66						1.20	.20																1.00			.30	.04			3.40
Columbia ¹‡	Missouri	.25	.02		.53	.01	.01		1.30	.97							.26								1.67	.11			.43	.47	.32		6.35
Conception	do		.29	.11				2.35	.14	.17				.90		.87	.60								T.				.15	.10	.60		6.28
Edgerton	do	.02	T.				.25	T.	.05	.84				.18			.40								.09				.64	.41	.58		3.46
Edina²	Mississippi		T.	.23				.83	T.	.73	.25				T.		.27									.82			.22	T.	.27		3.62
Elsberry	do	.14	.79	.07	.39					.70							.45									2.55				.39			5.48
Farber²	do	1.15	.48			.25				1.20	.30						.55									1.85			.30	.40			6.48
Fayette	Missouri	.53	.48		T.	.25			.56	1.29				T.			.13								.06	.96			.25	.51	.45		5.47
Fulton²	do	1.05	.12			.51	.03			1.57	.25						*	.38								2.15			.18		.60		6.84
Gallatin²	Grand		T.	.07				.63		.89	.12				T.		.91									T.			.44	T.	.80		3.86
Gorin	Mississippi		T.	.22				1.86		.87				T		T	.58									.74			.20	T.	.36		4.83
Grant City	Grand		1.40					2.60	.08	.22				1.06		1.38	.69												.18	.23	.63		8.47
Hannibal³ (A)	Mississippi	T.	4.10		.08	1.37		.42	.89	1.31							.73								.70	.29			.17	.15	.15		10.36
Hermann²	Missouri	.84	.12	.10		1.97	.02	.04		.14	.54							.01								2.63				.12	.66		7.19
Kahoka²	Mississippi			.15				1.70	.45	1.18							.52									.88			.16	.12	.38		5.48
Kansas City Airport ¹‡	Missouri	.76	.01		T	T.			.58	.99				.03			.71								.16			T.	.27	.52	.59		4.62
Kansas City University	do	2.20	.01						.18	1.37				.01			.60								.31	T.			.44	.44	.72		6.28
Kidder²	Grand		.05	.14				.02		1.03	.17				.08		.57												.47	.01	.83		3.40
King City	Missouri		.18					1.96	.01					.42		.65	.69												.90	.68			5.49
Kirksville	Mississippi		.43	.54	.13			1.04	.46	.65				.06		.20	.48									.29			.25	.15	.39		5.07
LaBelle²	do			.59				.83		1.53	.21						.14									.93			.19	*	.27		4.69
Lawson	Missouri	.04	.47		T.		T.		.65	1.39				.02		.03	.67								.08				.52	.54	.68		5.09
Linneus²	Graud	.09	.22	.79		.01		.35		4.37	.27				.02		.34									.01			.33	.04	.40		7.24
Louisiana (A)	Mississippi		1.45		.30		.10			.70							1.15									2.25			.25	.50	.50		7.20
Lucerne²	Grand	.02	.04	1.21				1.92		.58	.27				.28	T.	1.14									T.			.23		.86		6.55
Macon²	Chariton	T.	.24	2.00		.64		.13		1.27	.12						.06									.91			.10		.30		5.77
Madison²	Mississippi			3.00		.55				1.60	.46					T.										1.31				.03	.80		7.75
Maryville	Missouri		.39					2.93	.16	.11				1.01		1.01	.97								T.	T.			.14	.22	.88		7.82
Memphis²	Mississippi			.37		T.		2.03	T.	.97	.20				.03		.90									.49			.17		.45		5.61
Mexico²	do	.05	.80	.03		.30				1.75	.30						.40	.18								1.65			.30	.40	.33		6.49
Milan²	Grand	.33	.07	.85				1.03		1.06	.22				.12		.98												.52		.65		5.83
Moberly	Mississippi		2.43			.20			*	2.08							.11								.03	1.15			.22	.36	.28		6.86
Monroe City	do		.63	1.42		.85		.27		1.80							.16									1.38			.32	.15	.12		7.10
Oregon	Missouri		.32					.22	.03	.17				.95		.46	1.56								T.				.92	.27	.56		5.46
Palmyra²	Mississippi			1.30		.99		.60		.70	.16						.55									1.25			.17	T.	.36		5.99
Paris²	do	.73	.70	.51		.91				*	1.71						.12									1.41			.10	.15	.43		6.80
Perry²	do		.10	2.35				.05		.95	.25						.60									1.55				.15	.10		6.10
Philadelphia²	do			.94				.54	.40	.75							.57									.98				.26	.05		4.49
Platte City²	Missouri		.02	.14						*	.90			*	.17		.42									.14			.71	.12	1.00		3.62
St. Charles²	do	.41			T.	.32					.52															2.07					.85		4.17
St. Joseph¹‡	do	.04	.09				.02	.07	.02	.60				.57		2.26	.64								.07			.10	.12	.52	.28		5.40
Saverton, Lock No. 22²	Mississippi	.19	2.90	1.84		.51		.24		.97	.20						*	.90								2.31			.17	.23	.43		10.89
Shelbina	do	.02	1.18	1.80		.13		.14	T.	1.43							.07								T.	1.19			.11	.17	.18		6.42
Shelbyville²	do			2.67		.27		.47		1.67							.22									1.10					.34		6.74
Steffenville²	do			2.25		.50		.60		.93	.15						.10									1.00			.12	.08	.35		6.08
Tarkio	Missouri		.81	.34	.10			1.34	.11					.63		1.54										.32				1.15	.50		9.84
Trenton	Grand		.20		T.		1.34		.34	.66				.12		.37	.94								.03				.36	T.	.65		5.01
Troy²	Mississippi	.45	.01	1.15	.20	1.40				.06	.70							.19								2.80				.13	.28		7.37
Unionville²	Chariton		.22	1.06		.07		1.60		.50	.35				.20	.07	.90									.02			.20		.65		5.81
Warrenton	Mississippi	.35	.10	.08		1.78				1.12							T.								.03	1.94				.53	.59		6.52
Keokuk, Iowa¹‡	do		.28		.01		.03	1.41	.59	.45				T.		T.	.48								.74	.29			.18	.10	.17		4.73
Southwestern Division																																	
Altona²	Osage		1.30			.40	.30			2.73	.15			.18												.65			.35	.93	1.95		8.94
Anderson (near)	Neosho				.27	1.73			1.06	.08							T.								1.12				.28		1.12		5.66
Appleton City	Osage	3.10			.05	.42	.37		.86	2.00							.01								*	1.11			.14	2.10	.96		11.12
Bolivar	do		.11		.36	.85	.30			.94							.39	.62							1.48	.95			.01	.24	1.35		7.60
Boonville² (A)	Missouri	2.10	.05			.19				2.14	.15						.05									1.19			.30	.34	.57		7.09
Buffalo²	Osage					1.39	1.01	.50		.78	.33								.61							2.46							7.08
Butler²	do	.14	.84			.42	.26			3.29	.10															.86			.21	1.10	1.96		9.18
Caplinger Mills²	do	1.10			.50	.85	.41		2.94	.06						T.	.21	.28							2.06				.26	.32	.72		9.71
Carthage	Neosho				1.17	.95				3.01							.68	.07							1.90	.10			.03	.12	1.90		9.93
Clinton⁴	Osage	.02			.22	.05	.55		1.94	.98							.19	.28							.83				.27	1.54	.61		7.48
Concordia²	Missouri	1.15	.24			T.				1.14	.13			T.												.11			.03	.35	.77		3.92
Crocker²	Osage	1.50	.06			.93	.41			.20	.33						.02	.35	.04							3.45				.16	.50		7.95
Eldon²	Missouri	.33	.59			.71	.16	.58		1.32	.31						.34	.11								1.79				.34	1.40		7.81
Eldorado Springs	Osage	.03			.04	.49	1.53		.62	3.25					T.				T.						1.40			.05	.61		1.84		9.86
Fort Leonard Wood	Gasconade	T.	T.			T	2.64			.33							2.87	.21							1.87	1.53	.02			.03	1.83		11.33
Galena²	White					1.30				.60	.53							.82	.89							1.87				.08			6.09
Hailey	do				.42	1.02				.54							.32	.10							.92	.99			.91		1.03		6.25
Harrisonville²	Osage	2.09	.27			1.00	.10			2.35	.04						.04									.50			.82	.34	1.17		8.22
Higginsville²	Missouri	.78				.28				1.33				.03															.41	.23	.64		3.70
Jefferson City²	do	.43	.04			1.28	.15	.26		1.30	.17							.05								2.30				.19	.70		6.87
Joplin³	Neosho				1.60	.45			1.40	1.78							.30								1.58				.10	.14	2.33		9.68
Lakeside²	Osage	1.41	.36			.95	.29	.15		1.14	.15						.56									1.88			T.	1.68	.72		9.29
Lamar²	Neosho					.85	.55	.33		3.70	.25															1.15				.30	.85		7.98
Lebanon²	Osage		T.			.74	1.17			.47	.40						T.	.65	1.17							3.08				.15	.01		7.84
Lexington²	Missouri	.96	.05	.12						2.20	.20						.43		.03				.08			.08			.25	.10	.73		5.23
Lockwood	Osage				.31	.45	.49			2.52							.45	T.							2.10	.20			T.	.20	1.15		7.87
Manes²	Gasconade					.43	.40	.01			.39						T.	.01	.72							4.40				.06			6.42
Marshall	Missouri	.81	.26			.30			.25	1.00																.40			24	.52	.40		4.18
Mountain Grove	White			.03	.13	.40				.89								1.21							1.90	1.68					.22		6.46
Mount Vernon	Neosho				.63		.55			.58							.16	.20							1.45	.70			.02		1.30		5.59
Neosho	do				.50	.08				1.58							.20	.30							*	1.34			.06		1.63		5.69
Nevada	Osage		.01		.03	.66	2.80		.48	3.25				T.			.01	T.							1.05	.02			.03	.63	1.00		9.97
Osceola²	do	T.	.73			.28	.70			3.20																1.30				1.60	1.10		8.91
Ozark Beach²	White					1.08		.31			.52							.14								4.74				.58			7.37
Pleasant Hill²	Osage	.22	.15	T.		.33	.02		T.	1.96	.18			.01			.14									.24			.18	.22	1.02		4.67
Roby²	Gasconade				.28		2.04			.34							.04	.28								3.47					1.60		8.05
St. Thomas (near)²	Osage		1.80			.55	.27			1.00	.39						.13									2.58				.52	1.09		8.33
Sedalia	Missouri	1.80			.02	.57	.18		.20	1.70				T.			.33								.09	.67			.15	.97	.38		7.06
Seligman	Neosho				.17	1.39				1.86								T.							1.27	.29			.69		.25		5.92
Seymour (near)	White					.76	.12			.67							.01	.22							2.45	1.95			.18		1.15		7.51

Continued on next page

Daily Precipitation for September 1941—Continued from preceding page

Stations	Drainage basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Southwestern Division—	*Concluded*																																
Springfield[1]‡	White				.85	.15	.20		.06	1.02							.61	.96			T.				2.11	.01			.01	.03	1.63		7.64
Stover[2]	Missouri	.66				.39	.55			1.70																1.78				.40	.87		6.35
Sweet Springs	....do	.67	.17		T.	.39	T.		.41	1.07				T.		.01	.06								.11	.12			.28	.56	.29		4.14
Warrensburg	....do	1.06						T.	.33	1.47				T.		T	.80	T.							.25				.51	.78	.68		5.88
Warsaw ....(A)	Osage	3.50	.04			.25	.35			3.13							.10	.98							.32	.85			.03	1.10	.42		11.07
Wasola	White					.85				.84								.70							*	1.86			.47		.17		7.39
Waverly[2]	Missouri	T.	.62	.06		.03				.90	.20						.18									.05			.03	.15	.57		2.79
Southeastern Division																																	
Advance[4]	St. Francis	.02		.07	T.	.28	2.20			.50	T.							.22							.17				.61	T.	.04		4.14
Alton (near)	Black			3.81		.88				.46								.31							.74	1.66							7.89
Annapolis	St. Francis				.08		.60			.77															.50	1.60					.17		3.72
Arcadia[2]	....do		.02	T.	.16	.29	.10	.08			.94								1.62							2.65				T.			5.86
Belleview	Meramec				.32		.20			.46								.98							.80	3.94					.10		6.80
Birch Tree (near)	Black			.62		.85	.13			.30															1.30	2.00			.08		.05		5.33
Bragg City[2]	St. Francis			.16							.62																			.82			1.60
Campbell	....do					.04				.04	.13							.13							.01	.06			.07				0.48
Cape Girardeau[2]	Mississippi				.06	.48	.62	T.			1.10															.38				.51			3.15
Caruthersville[2]	....do										.65															.30				.83			1.78
Centerville[2]	Black		.16	T	.04	.44	.77	T.			.22								.20	.16						3.67							5.66
Crystal City	Mississippi	.47				.14				.58	.10					.43	.70								.17	2.03				.18	.48		5.28
Cuba[2]	Meramec	.15	.38		.29	.27	.13				.51							1.10								3.50					.31		6.64
Deering	St. Francis									.02																.07			.24				0.33
Dexter[2]	....do					.30		.05			1.10															.57					.27		2.29
Doniphan	Black		.13	1.21		.52				.50								.05							.28	1.29			T.		.28		4.26
Farmington	St. Francis		T.	.06		.46	.19			.67	.06							1.24							T.	1.95			T.		.41		5.04
Fisk[2]	....do					.73					.06															.11							0.90
Fredericktown[2]	....do				T.	.45	.15				.62								1.28							1.26							3.76
Gerald[2]	Meramec		.07			.45	.12	.25			.39					T.										2.90				1.53	.28		5.99
Goodland	Black	.24				.40	.35			.18								.45							.50	3.70					.43		6.25
Greenville	St. Francis	.87		.28		1.17	.28			*	.54							T.							*	.50			*	.32	.32		4.28
Jackson	Mississippi					1.17	.19			1.23															.43				.08		.55		3.65
Jerome[2]	Gasconade	.19	.98			.41	1.83				.41							1.60								2.80					.16		8.38
Koshkonong	Black			.49		.79	.04			.50								T.							2.00	.54					.12		4.48
Leeper[2]	....do			.30		.90	.10	T.			.90															.80				.50			3.50
Licking (near)	Gasconade			.05		.25	3.10			*	.49							.51							.82	2.82				.01	.75		8.80
Marble Hill	Mississippi				.08	1.78	1.02				.12															.62			.08	T.	.22		3.92
Meramec Park[2]	Meramec	.68				.32	.13				.31							1.52								2.73				.41	.07		6.17
Morehouse	Mississippi					.26	.28				.07														T.	.53				.06			1.20
New Madrid[2]	....do					T.		.05			.20															.36				T			0.61
Owensville[2]	Gasconade	2.72	T.								.54															2.57				.85	.25		6.93
Pacific[2]	Meramec	.41		.01		.30					*							*								2.00				.37	.43		3.52
Parma[2]	St. Francis				T.						.10								.07							.35							0.52
Perryville[2]	Mississippi				T.	.48	.25				.53								.50							.45							2.21
Poplar Bluff[2] ....(A)	Black		.05	.08	T.	.52	T.				.10															.26				T.			1.01
Richwoods[2]	Meramec				.45	.25	.15				.29							.70								3.05			.10		.76		5.75
Rolla[4]	....do	.43		T.	.32	.03	.14			.31							.36	1.02							3.49	T.			T.	.04	.95		7.09
St. Louis:																																	
City Office[1]‡	Mississippi	.41	.05	T.	.17	.17	T.			.27							.08								1.74	.04			T.	.18	.47		3.58
Airport[4]‡	Missouri	.10		T.	.17	.30	.01	T.		.31							.09								2.57	.10			T.	.65	.15		4.45
St. Louis Univ.[3]‡	Mississippi	.47	.34	T.	.10	.08	.01			.23							.05	T.							1.28	.04				.16	.33		3.09
Washington Univ.[2]‡	....do	.22	.05	.88		.36					1.03							.20								1.85				.03	.28		4.90
Salem	Meramec	1.02	.10	.35	.42	.92				*	.40							2.15							*	3.55					.51		9.42
Sikeston[2]	Mississippi				.05	.15	.31	.06			.08	T.														.40				.71			1.76
Union	Meramec	.32		.02		.33	.09			.19							.11								.17	2.63				.84	.20		4.90
Valley Park[2]	....do	.33	T.	.03		.48	T				.40							.18								1.40	T.			.10	.29		3.21
Van Buren	Black			.05		.93	.02			.47								.30							.70	1.92			.15		.13		4.67
Wappapello Dam[2]	St. Francis		.02		.09	.55	.19				.12															.35				.54			1.86
Weingarten[2]	Mississippi		.93		.10	.30	.27	T.			.53								.20							1.47							3.80
West Plains[4]	Black		T.	.32	.07	.74	.24			.44								T.							4.16				.24		.15		6.36
Williamsville[2]	....do		.12	.04	.17	.62	.07	.02			.22															.69				.62			2.57
Willow Sprgs. (near)	White			.04		.66	.24			*	.87							.07							*	3.64			.06		.68		6.26
Zalma (near)	Mississippi	.26		.08		.36	1.52			.05	.08														.04	.24			.39	.36	.12		3.50
Cairo, Ill.[1]‡	....do		T.	.05	T.	T.	.47			.26	T.							.16							.36	T.			.20		.08		1.58

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖‖ Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for September 1941

(See precipitation data in daily precipitation table)

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Monthly
Lakeside (Osage Dam)	Evaporation	.292	.071	.179	.207	.270	.223	.036	.231	.261	.071	.146	.185	.215	.213	.176	.170	.088	.114	.145	.192	.201	.211	.158	.158	.122	.095	.138	.200	.123	.004	....	4.895
	Mean temperature	78	82	82	84	78	74	79	84	69	64	66	66	74	74	80	78	74	76	77	78	77	72	72	69	62	58	66	58	62	58	..	72.3
	Wind movement	47	9	16	29	82	52	22	50	53	56	24	26	36	64	60	39	20	21	14	14	20	21	13	14	48	60	35	81	44	60	..	1,130
St. Louis (Washington University)	Evaporation	.275	.074	.140	.084	.234	.224	.106	.224	.244	.170	.171	.187	.195	.183	.232	.221	.038	.075	.166	.178	.199	.216	.124	.146	.135	....	.082	.166	.118	.009	....	4.775
	Mean temperature	80	80	78	82	78	74	82	82	79	64	66	68	72	76	80	74	74	74	74	74	76	74	74	72	60	56	64	66	58	58	..	72.2
	Wind movement	29	5	13	33	40	23	15	30	28	28	19	21	18	38	44	32	4	7	10	7	11	15	4	4	56	24	6	26	72	18	..	680

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for September 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	85	85	91	91	88	84	91	89	68	75	79	80	85	87	87	87	88	87	90	93	90	88	89	78	62	71	83	51	66	67	..	81.8
	Minimum	73	72	71	70	68	67	69	68	67	49	49	54	55	59	69	66	65	64	63	64	69	61	58	58	58	42	42	50	46	48	..	60.5
Chillicothe §§	Maximum	91	83	93	93	91	85	93	90	64	72	80	82	85	87	85	86	84	86	89	92	89	88	89	77	65	75	83	52	63	65	..	81.9
	Minimum	70	71	70	75	66	68	66	73	56	46	51	52	52	61	69	64	60	62	63	67	70	58	57	63	52	38	44	44	44	46	..	59.3
Columbia	Maximum	85	91	91	90	87	80	90	90	70	75	79	80	88	84	86	88	85	85	88	90	86	86	87	79	63	69	80	69	57	68	..	81.5
	Minimum	72	74	72	69	65	69	70	69	55	49	58	55	58	71	72	66	69	65	65	66	69	61	58	59	48	42	58	48	46	55	..	61.8
Fayette	Maximum	88	90	90	91	87	81	90	90	69	74	77	78	85	85	86	87	85	84	87	90	87	86	86	80	67	68	80	74	51	66	..	81.3
	Minimum	70	70	70	70	65	64	67	67	58	41	51	54	55	68	69	64	64	61	61	64	67	57	56	60	52	39	53	45	44	49	..	59.2
Grant City	Maximum	90	78	95	90	92	91	89	83	69	77	79	81	83	84	79	80	84	84	87	89	85	88	85	75	66	65	79	75	49	67	..	80.6
	Minimum	68	63	69	75	59	62	63	68	54	44	53	53	61	69	65	63	59	62	63	68	69	56	58	62	46	47	52	41	42	43	..	58.6
Hannibal	Maximum	85	83	89	90	86	84	89	90	70	74	77	76	85	85	85	86	82	82	85	91	88	86	87	82	63	68	80	69	55	69	..	80.7
	Minimum	70	67	68	71	67	68	66	67	54	51	54	55	54	69	72	65	65	59	59	61	67	62	60	58	45	42	54	46	45	54	..	59.8
Kansas City Airport.	Maximum	80	90	92	89	90	82	91	87	70	76	79	82	86	86	83	83	83	87	88	90	88	85	87	74	62	73	81	71	65	67	..	81.6
	Minimum	69	72	76	72	67	70	72	70	55	50	60	60	67	72	73	66	65	66	71	74	67	65	59	59	51	42	62	44	45	54	..	63.2
Kirksville	Maximum	92	85	92	92	89	89	90	88	68	76	80	80	83	87	85	85	82	84	88	92	89	83	87	82	67	66	80	72	51	65	..	81.8
	Minimum	66	69	68	74	66	65	63	66	57	48	..	..	55	69	70	63	60	57	59	62	66	56	58	61	50	38	45	44	44	46	..	^{b}58.8
Lawson	Maximum	86	85	89	88	87	81	90	85	63	73	77	79	83	84	82	81	83	85	86	88	85	85	81	73	62	71	80	72	49	63	..	79.5
	Minimum	68	70	71	74	64	68	67	67	57	48	52	53	61	67	71	63	61	65	65	68	69	61	56	61	51	40	56	42	42	49	..	60.2
Louisiana	Maximum	90	88	90	93	90	95	95	93	75	75	75	80	85	87	87	85	87	85	85	87	81	85	86	80	73	84	80	72	66	67	..	83.5
	Minimum	74	72	70	74	72	70	70	70	67	47	48	52	60	68	72	70	65	60	52	60	68	53	54	53	60	39	53	60	50	60	..	61.4
Macon §§	Maximum	88	82	91	91	88	84	90	89	67	75	78	79	85	85	86	88	84	85	88	90	87	88	88	80	65	70	80	72	65	67	..	81.8
	Minimum	69	70	67	71	66	68	64	70	65	48	52	54	54	64	70	64	62	59	59	62	67	56	57	60	52	40	46	47	44	45	..	59.1
Maryville	Maximum	87	82	91	90	90	91	89	83	71	75	77	79	81	83	82	80	79	82	85	88	85	85	82	72	65	70	80	76	47	64	..	79.7
	Minimum	65	70	70	76	58	62	62	70	53	47	54	55	61	70	65	63	59	63	65	68	68	58	59	62	49	40	60	40	43	46	..	59.4
Mexico §§	Maximum	85	89	92	92	88	85	85	93	70	75	79	79	88	85	84	88	83	84	90	94	90	89	90	80	62	71	80	53	65	66	..	81.8
	Minimum	70	70	70	71	65	66	68	69	67	48	48	52	53	57	69	65	65	59	60	61	64	67	55	56	58	40	40	50	44	44	..	59.0
Moberly	Maximum	90	85	92	92	87	85	89	91	75	75	81	79	85	87	87	88	86	86	89	91	89	89	88	84	75	69	82	74	52	67	..	83.0
	Minimum	70	64	69	74	66	67	66	66	59	47	52	53	56	68	69	65	64	60	61	64	59	57	56	54	52	39	54	46	45	49	..	59.0
Oregon	Maximum	90	87	93	94	92	89	92	83	71	80	82	84	85	86	84	81	84	87	88	91	90	86	87	76	63	75	84	80	49	68	..	82.7
	Minimum	69	69	73	72	60	66	65	69	51	48	53	67	63	70	69	62	58	64	67	70	69	58	59	62	49	42	60	38	44	47	..	60.5
St. Charles §§	Maximum	89	88	87	93	90	86	95	94	87	77	80	81	90	89	88	80	82	87	90	94	92	92	91	86	62	73	81	72	68	71	..	84.5
	Minimum	73	74	73	74	69	67	70	74	69	57	54	55	56	56	72	70	68	62	59	58	65	58	58	58	60	43	50	63	46	48	..	62.0
St. Joseph	Maximum	87	85	92	90	90	86	91	82	66	77	79	81	85	85	81	84	84	86	87	90	87	87	85	72	62	72	83	52	56	65	..	80.3
	Minimum	68	72	75	74	64	66	65	65	53	47	56	58	61	72	67	65	62	66	69	70	69	59	60	60	49	44	51	43	45	53	..	60.9
Trenton	Maximum	93	85	94	93	94	89	91	88	77	77	78	81	84	86	84	88	83	85	88	91	88	90	87	77	69	72	80	71	60	65	..	82.9
	Minimum	68	71	70	74	67	66	65	65	57	45	50	54	58	62	70	64	60	60	62	65	68	57	58	61	51	38	55	44	45	48	..	59.3
Unionville §§	Maximum	92	82	95	90	91	91	90	86	68	76	80	81	80	81	83	87	82	85	89	91	88	90	87	87	66	73	82	57	60	65	..	81.8
	Minimum	63	67	66	70	62	62	60	62	56	43	48	53	56	60	59	62	55	57	58	60	66	51	56	58	48	36	40	40	39	42	..	55.2
Warrenton	Maximum	88	85	87	92	87	85	92	92	90	74	79	82	88	87	87	83	83	85	90	95	92	87	90	88	65	69	82	75	53	68	..	83.3
	Minimum	71	71	71	73	66	66	67	71	65	50	53	51	52	68	68	68	69	61	59	60	64	60	59	58	54	41	51	51	45	50	..	60.4
Keokuk, Iowa	Maximum	86	77	88	92	89	89	86	90	71	75	78	78	81	84	86	85	81	81	86	90	88	88	87	85	61	66	78	69	53	64	..	80.4
	Minimum	70	65	70	76	70	68	66	70	54	52	57	56	55	74	73	65	61	59	58	64	69	62	62	60	50	44	55	46	46	53	..	61.1
Southwestern Division																																	
Clinton	Maximum	88	94	93	92	89	76	92	89	68	77	80	82	88	86	87	88	87	87	91	91	89	87	88	74	62	74	82	68	65	69	..	82.8
	Minimum	71	70	71	68	64	65	67	66	50	50	51	47	55	68	70	64	65	64	66	67	65	58	57	59	44	38	54	46	44	52	..	59.2
Eldon §§	Maximum	83	92	92	93	88	77	93	90	69	74	78	85	87	83	86	86	81	85	89	91	87	86	86	77	63	71	81	60	68	71	..	81.7
	Minimum	71	70	70	70	66	66	65	68	66	47	47	53	55	58	71	69	65	63	63	63	63	55	54	55	56	41	41	52	47	47	..	59.2
Harrisonville §§	Maximum	77	90	90	90	89	78	88	86	65	73	77	79	85	84	83	85	85	85	88	89	85	85	84	72	64	71	80	49	65	63	..	79.5
	Minimum	70	69	70	74	63	61	61	71	55	48	53	55	60	65	64	64	63	64	64	63	65	60	59	64	51	39	49	45	44	45	..	59.6
Jefferson City §§	Maximum	82	92	91	91	87	79	90	89	68	74	78	80	87	84	85	86	82	86	88	91	87	87	87	80	65	70	82	58	68	68	..	81.4
	Minimum	70	69	68	71	64	66	63	69	63	48	51	52	53	61	69	66	64	61	61	62	65	51	55	57	54	40	44	53	44	45	..	58.6
Joplin	Maximum	86	90	90	88	85	87	88	87	69	74	76	81	85	81	83	86	85	87	87	89	85	84	86	69	63	72	80	74	71	74	..	81.4
	Minimum	75	74	71	67	64	70	76	69	57	52	56	58	68	72	73	70	68	69	70	71	68	64	63	60	53	46	58	48	47	62	..	64.1
Lamar §§	Maximum	88	93	94	93	88	86	90	89	68	75	79	81	88	83	85	85	82	88	90	90	88	87	88	67	65	75	81	56	70	68	..	82.1
	Minimum	71	68	67	67	60	60	61	72	62	45	45	50	53	62	66	68	68	68	61	65	62	55	53	53	50	38	38	50	42	44	..	57.6
Lebanon §§	Maximum	90	92	92	93	87	83	90	90	76	75	80	82	86	82	85	85	83	85	89	90	85	86	87	74	61	71	80	59	67	69	..	81.8
	Minimum	74	69	69	72	62	61	62	71	61	44	47	47	50	59	63	67	67	61	62	62	63	54	52	54	55	39	41	54	45	45	..	57.8
Lexington §§	Maximum	84	89	92	90	89	80	91	89	62	78	82	83	87	86	85	87	89	90	89	92	89	89	89	77	67	74	81	50	66	65	..	82.0
	Minimum	70	68	72	71	66	67	69	74	58	50	53	55	60	64	72	64	64	66	67	69	70	60	60	61	55	43	47	46	45	47	..	61.2
Marshall	Maximum	90	89	89	91	85	84	91	87	85	74	77	79	85	84	84	85	85	86	86	87	87	83	85	83	80	70	81	81	51	63	..	82.2
	Minimum	70	70	71	75	66	69	68	68	57	49	54	55	59	69	69	65	65	66	64	66	69	61	58	63	54	41	57	40	45	50	..	61.1
Mountain Grove	Maximum	85	87	88	90	89	86	89	88	83	77	76	81	83	79	83	86	80	87	87	89	82	84	86	76	65	70	78	70	61	69	..	81.1
	Minimum	71	70	70	69	63	62	63	70	60	49	48	55	59	67	68	66	66	64	65	67	62	59	54	60	55	41	50	54	47	57	..	60.4
Neosho	Maximum	92	90	90	90	88	88	88	85	85	76	76	82	87	84	82	85	85	85	89	92	87	87	87	82	65	75	82	80	72	72	..	83.6
	Minimum	71	70	68	70	62	69	72	73	59	44	47	58	62	66	69	66	65	66	63	65	59	53	51	58	54	39	53	56	49	62	..	60.6
Nevada	Maximum	94	89	94	91	89	87	90	87	70	78	81	84	88	85	85	87	89	90	91	91	88	87	88	78	66	76	82	76	61	70	..	83.7
	Minimum	72	71	68	72	62	62	72	66	57	47	51	51	63	66	69	67	66	63	66	67	64	57	56	60	53	39	55	45	44	60	..	60.5
Sedalia	Maximum	94	91	91	90	88	86	90	88	70	73	77	78	87	85	87	85	84	84	88	90	85	86	85	80	64	70	80	78	52	70	..	81.9
	Minimum	69	70	71	74	65	66	69	69	58	48	54	54	61	70	71	61	65	65	67	70	68	62	56	63	54	41	56	48	45	51	..	61.5
Springfield	Maximum	88	87	91	89	86	83	88	86	71	75	76	79	84	80	81	81	85	85	85	87	83	84	81	73	62	69	80	67	63	69	..	80.1
	Minimum	71	70	70	66	63	66	68	67	56	48	49	56	62	68	71	66	66	63	66	66	62	58	56	59	45	40	53	49	47	60	..	60.2
Warrensburg	Maximum	88	92	93	90	87	77	92	86	77	76	81	82	81	82	88	86	87	91	91	93	83	89	89	74	67	62	83	76	58	66	..	82.2
	Minimum	70	70	71	70	64	62	70	69	56	49	52	53	61	63	71	57	64	64	67	69	69	59	57	61	40	53	40	45	43	51	..	59.7
Southeastern Division																																	
Arcadia §§	Maximum	92	94	82	90	94	80	93	92	89	81	80	82	82	86	85	91	76	89	91	92	88	90	91	84	69	74	80	77	67	75	..	84.5
	Minimum	75	69	73	73	66	63	67	71	69	54	47	47	49	54	68	65	67	62	55	51	54	51	50	50	54	41	44	54	49	50	..	58.1
Birch Tree (near)	Maximum	90	89	84	89	88	85	90	89	84	75	78	80	83	83	82	89	90	90	91	91	86	87	90	81	70	73	76	73	65	78	..	83.3
	Minimum	68	69	70	72	67	63	67	69	73	52	50	54	61	67	70	68	65	63	59	57	56	53	56	56	57	40	56	55	49	53	..	60.6
Caruthersville §§	Maximum	94	90	83	87	90	92	94	93	91	75	80	83	87	88	87	88	92	91	93	88	87	87	91	90	78	72	82	92	75	92	..	87.1
	Minimum	73	72	72	71	63	67	72	72	72	63	58	58	58	65	68	67	67	69	62	67	60	60	60	60	62	48	50	50	55	55	..	63.2
Crystal City	Maximum	88	91	84	91	88	85	93	93	91	75	75	81	88	86	88	87	75	85	86	80	87	87	88	85	64	69	78	76	59	75	..	82.6
	Minimum	70	70	71	71	67	60	68	67	63	51	47	56	57	61	66	62	64	63	55	50	56	52	50	53	49	41	44	57	47	51	..	58.0
Doniphan	Maximum	96	91	87	91	89	89	92	92	91	78	79	83	88	88	90	92	91	92	94	95	91	90	93	85	75	73	84	87	73	88	..	87.6
	Minimum	68	70	72	73	68	67	68	70	65	60	49	54	53	65	67	63	62	62	59	55	50	49	48	50	60	51	42	55	52	54	..	59.4
Farmington	Maximum	93	95	86	90	90	82	92	92	89	74	89	80	87	86	87	89	80	85	89	92	88	87	87	85	77	70	78	69	61	76	..	84.2
	Minimum	73	72	72	73	66	70	74	73	65	55	51	60	63	68	71	68	65	65	68	62	62	58	63	56	57	44	48	58	49	55	..	62.8
Jackson	Maximum	91	90	87	89	87	85	90	92	88	75	79	81	85	85	87	89	87	89	90	90	87	89	91	87	82	80	82	82	71	86	..	85.8
	Minimum	71	73	73	73	68	65	70	71	69	58	51	52	56	65	69	67	67	66	56	55	51	52	52	53	62	60	43	43	50	54	..	60.5
Poplar Bluff	Maximum	95	94	87	92	91	91	95	95	93	79	80	84	92	91	89	95	91	92	95	95	90	90	94	88	75	76	86	87	74	90	..	88.9
	Minimum	73	72	72	74	68	69	69	70	68	61	54	56	59	58	67	68	71	68	65	62	59	57	58	57	60	45	44	58	53	56	..	62.4
Rolla	Maximum	86	91	86	90	85	80	90	88	82	72	79	81	86	84	86	83	71	82	87	90	85	84	87	80	61	70	79	68	62	68	..	80.8
	Minimum	69	72	72	70	66	65	70	73	56	52	52	54	57	70	70	69	64	64	65	63	63	62	63	57	47	44	52	48	47	58	..	61.1
St. Louis	Maximum	85	88	83	91	87	84	93	92	89	76	79	79	87	87	87	81	81	87	86	90	88	89	89	86	62	68	78	74	56	70	..	82.4
	Minimum	74	75	74	73	69	72	71	73	63	58	60	58	60	69	72	70	71	64	64	66	68	68	68	59	54	49	54	51	47	55	..	64.3
Salem	Maximum	90	91	87	89	88	79	90	88	83	75	77	79	85	83	84	86	75	84	87	89	84	85	87	81	69	70	78	66	61	71	..	81.4
	Minimum	72	70	72	74	65	64	68	71	60	50	47	48	54	68	69	66	66	64	60	59	59	54	52	55	54	41	56	55	48	58	..	60.0
Sikeston §§	Maximum	96	93	86	91	91	92	95	96	93	78	81	85	90	90	91	94	91	92	93	95	91	92	94	89	79	75	85	89	75	92	..	89.1
	Minimum	72	72	71	72	68	66	68	70	70	60	53	52	60	64	66	68	67	67	61	59	60	57	54	60	63	44	46	55	52	54	..	61.7
Union	Maximum	88	95	89	93	89	84	94	93	88	76	82	84	90	89	88	85	80	89	92	97	91	93	92	86	65	73	81	73	56	72	..	84.9
	Minimum	70	70	70	73	67	62	68	74	63	48	47	47	47	62	63	64	68	58	55	52	56	51	49	50	56	40	45	55	48	52	..	57.7
West Plains	Maximum	92	88	86	89	88	86	90	88	82	77	77	80	83	82	83	88	87	89	89	91	85	84	88	74	69	72	80	80	66	82	..	83.2
	Minimum	69	69	73	71	65	66	67	69	61	51	48	49	53	68	67	62	65	63	60	56	55	50	50	54	47	42	45	52	50	54	..	58.4
Cairo, Ill.	Maximum	93	90	83	86	86	85	91	91	90	75	79	81	85	87	86	88	88	88	90	89	87	88	90	87	74	70	80	85	73	89	..	85.1
	Minimum	75	75	74	73	69	69	74	74	69	61	56	56	63	68	71	71	72	70	64	61	67	61	64	64	57	52	54	56	52	64	..	65.2

^{a}, ^{b}, ^{c}, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

Vol. XLV October 1941 No. 10

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GENERAL SUMMARY

The month of October was the wettest October of record, and the second wettest of any month in the climatic history of the State, covering the period 1888-1941. Only June 1928 had more rain than the current month, when 11.25 inches was recorded as the average for the State, compared to 10.14 inches this month. This unusual excess of moisture resulted in frequent overflows and floods in many of the smaller streams, and in moderate floods in portions of the larger rivers of the State, causing heavy damage to crops.

Precipitation was unusually heavy over all portions of the State, but the Southeastern Division received less than the other two Divisions. Every station reported an amount above normal, with the heaviest amounts occurring locally in the Southwestern and Northeastern portions of the State. Joplin recorded the greatest monthly total, 16.67 inches, but this has been exceeded a number of times at various stations, but not in the month of October. The rains were unusually frequent, occurring on as many as 23 days at Mexico, and occurred on an average of 17 days for the State as a whole. The ground was thoroughly soaked during the early part of the month to the point where it could absorb no more moisture, and subsequent precipitation ran off into drainage basins, keeping streams and rivers at high levels over much of the State. The accumulated deficiency of sub-soil moisture was greatly relieved during the month.

Snowfall was confined to the more Northern stations and did not occur until the last day of the month. Amounts were mostly light, and at most stations it nearly all melted as it fell.

Mild conditions prevailed throughout most of the month. The mean temperature averaged above normal for the seventh consecutive month and all Divisions, and every reporting station, averaged warmer than normal, the excess for the State as a whole being 3.9°. This was due mainly to the high night temperatures rather than warm days. The only general cool period was from the 27th to 30th with the 28th being the coldest day, when the first general killing frost of the autumn occurred, except in the southern portion of the Southeastern Division, and locally elsewhere. Most crops had already reached maturity and the frost caused no material damage. Daily temperatures were warmer than normal practically every day until the 27th. Warmest periods were 2d-8th, 12th-15th, and 17th-26th.

The wet, mild weather was very unfavorable for all farm operations and resulted in severe crop losses. Corn germinated in the fields and the tops of haystacks were green. Fodder, cowpeas, and soy beans were severely damaged. Fields were too muddy for gathering corn and for sowing of wheat, with the result that much of the fall wheat acreage was not, and could not be sown. Wheat that had been sown in September, and all grasses, made excellent growth, but the wheat fields were too soft to permit grazing. Dry, sunshiny weather was badly needed at the close of the month.—M. R. W.

TEMPERATURE

The monthly mean for the State, 93 stations reporting, was 61.6°, or 3.9° warmer than normal. The highest monthly mean was 67.7° at Campbell and the lowest monthly mean was 55.3° at Tarkio. The highest recorded was 92° at Bragg City, Campbell, and Sikeston on the 6th, and the lowest was 20° at Unionville on the 28th and 29th and at Louisiana on the 29th. The greatest daily range was 46° at Advance on the 13th.

(Continued on page 56)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.04*	30.45*	28	29.40*	26	6.7	21	w.	7	91*	71*	76*	48
Kan. C. Airport	30.03	30.44	28	29.36	26	9.5	37	nw	6	87	67	70	41
St. Joseph	30.03*	30.45*	28	29.34*	26	7.7	35	w.	6	96*	72*	82*	41
St. Louis	30.06*	30.42*	28	29.46*	27	11.5	35	sw.	31	80	62	67	39
Springfield	30.03	30.41	28	29.51	26	10.6	32	sw.	31	93	74	83	29
Cairo, Ill.	30.07§	30.38	29	29.57	27	7.6	32	sw.	31	86	62	..	57
Keokuk, Iowa	30.05§	30.46	28	29.38	27	6.6	34	sw.	7	86	64	..	46

* Data for Airport Station. § 6:30 a. m.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	53.6	89	24	2.72	2.02	3.32	2.82	....	6	..	..	..
1889	53.8	91	22	2.32	2.54	2.05	2.38	....	5	..	..	..
1890	54.8	91	20	2.35	3.01	2.70	1.33	....	7	..	..	..
1891	55.7	92	20	1.05	1.31	1.09	0.76	....	5	..	..	..
1892	57.5	95	16	2.40	2.04	2.78	2.39	0	5	16	7	8
1893	56.7	95	16	1.12	0.48	0.91	1.97	....	3	20	8	3
1894	57.6	94	18	1.82	2.09	1.26	2.12	T.	6	17	8	6
1895	51.2	89	14	0.42	0.26	0.34	0.66	T.	2	21	6	4
1896	54.1	90	19	2.48	2.70	2.43	2.32	0	5	19	6	6
1897	62.5	99	23	0.74	0,55	0.81	0.87	0	3	22	6	3
1898	53.5	95	19	4.35	4.26	4.18	4.61	1.4	8	11	7	13
1899	62.4	100	24	3.16	1.98	3.58	3.93	0	5	20	6	5
1900	62.4	92	25	3.96	5.23	3.78	2.86	0	7	17	7	7
1901	60.1	96	24	1.69	1.55	1.63	1.89	0	6	18	8	5
1902	59.5	88	23	2.41	2.90	2.30	2.02	0	5	21	5	5
1903	57.3	90	19	3.06	2.19	3.76	3.22	0	6	19	6	6
1904	57.6	90	19	0.88	0.93	0.81	0.90	0	3	20	7	4
1905	55.1	90	20	4.85	3.67	5.78	5.09	0.3	10	15	7	9
1906	56.3	94	17	1.06	0.66	0.89	1.62	0	5	17	6	8
1907	56.7	94	18	2.93	2.02	3.62	3.14	0	7	17	6	8
1908	56.3	92	21	2.39	3.60	3.11	0.45	0.8	5	18	6	7
1909	57.2	96	20	2.72	3.45	2.99	1.71	T.	6	19	5	7
1910	59.4	94	15	2.97	0.97	1.76	6.18	0	5	22	4	5
1911	56.9	96	25	3.16	3.81	3.31	2.36	0.2	8	11	7	13
1912	59.1	97	21	3.78	3.87	4.29	3.17	0.7	6	20	5	6
1913	54.7	93	11	4.65	3.68	3.92	6.36	3.3	9	15	6	10
1914	59.2	88	19	4.59	4.32	4.28	5.17	0	7	14	6	11
1915	59.8	95	22	1.22	0.77	1.61	1.29	0	3	23	5	3
1916	58.0	95	20	2.12	2.53	2.03	1.79	0.3	6	18	5	8
1917	49.8	93	12	1.15	1.25	0.77	1.43	0.2	6	16	8	7
1918	60.6	95	28	3.45	3.02	3.51	3.82	0	7	14	6	11
1919	58.4	98	17	7.07	3.49	8.48	9.23	0	11	10	7	14
1920	61.3	93	18	3.14	1.94	3.76	3.73	T	7	17	6	8
1921	57.9	92	24	2.15	2.78	2.20	1.47	0	5	21	5	5
1922	59.9	97	18	2.04	2.00	1.84	2.28	0	5	20	5	6
1923	53.0	89	17	3.55	2.40	4.40	3.84	0.1	9	15	5	11
1924	61.8	92	21	1.22	1.54	1.59	0.52	0	4	22	5	4
1925	48.6	92	− 3	4.98	3.70	4.12	7.12	2.4	10	8	8	15
1926	57.3	93	21	4.73	4.43	4.98	4.77	0	9	14	6	11
1927	60.9	93	26	4.59	5.49	5.33	2.96	0	5	22	5	4
1928	60.9	94	22	3.82	3.85	2.91	4.71	0	8	15	8	8
1929	57.2	91	23	5.36	6.30	5.97	3.80	T.	10	15	6	10
1930	55.3	92	11	3.09	2.43	3.68	3.17	T.	6	16	6	9
1931	61.7	95	27	3.37	3.89	3.99	2.23	0	8	15	7	9
1932	55.7	90	22	3.54	2.79	3.19	4.65	0	5	18	5	8
1933	56.4	86	23	2.90	1.68	3.78	3.25	0	7	17	8	6
1934	61.1	90	24	2.50	2.22	3.02	2.25	0	4	22	5	4
1935	57.1	90	21	3.47	2.04	4.42	3.94	T.	10	12	7	12
1936	56.7	89	20	3.55	2.45	3.76	4.43	T.	8	16	6	9
1937	56.3	98	15	2.44	1.57	1.89	3.86	T	7	16	6	9
1938	63.9	99	19	1.23	1.11	1.50	1.09	0	3	24	4	3
1939	61.1	100	19	1.89	1.39	1.92	2.35	0	6	21	7	3
1940	63.0	94	28	1.73	2.31	1.65	1.23	0	6	20	6	5
1941	61.6	92	20	10.14	10.41	11.57	8.45	T.	17	8	8	15
Period	57.7	100	− 3	2.97	2.70	3.14	3.07	0.2	6	17	6	8

Natural History Library

Climatological Data for October 1941

			Temperature, in degrees Fahr.								Precipitation, in inches					Number of days					
Stations	Counties	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Northern Division																					
Albany	Gentry	930	0	57.9	......	84	6†	21	28	39	12	7.48	+4.69	1.93	0	19	11	9	11	n.	Curtis E. Grace
Bethany	Harrison	916	46	58.8	+ 4.0	84	13	23	28	33	48	8.37	+5.45	1.67	0	13	13	7	11	s.	A. S. Cumming
Brookfield	Linn	767	0	59.8	......	84	13	24	28	34	0	13.31	......	3.13	0	15	12	9	10	nw.	E. W. Patrick
Brunswick	Chariton	652	60	59.6	+ 4.3	82	13†	27	28†	30	62	10.16	+7.16	2.05	0	18	9	3	19	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	3	59.2	......	82	6	26	28	30	11	10.57	+8.31	2.88	0	21	10	8	13	s.	Lockmaster
Chillicothe	Livingston	779	32	58.9	+ 3.9	85	13	24	28	30	35	8.62	+5.48	1.83	0	19	10	6	15	se.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	42	59.8	+ 3.1	84	6	23	28	38	32	11.33	+8.81	1.80	0	20	8	4	19	ne.	Dr. A. J. Bradsher
Columbia	Boone	740	51	61.6	+ 4.7	85	6	28	28	27	51	13.44	+10.83	4 55	0	17	5	12	14	s.	U. S. Weather Bureau
Conception	Nodaway	980	52	58.4	+ 3.0	83	6†	22	28	37	57	7.31	+4.43	2.46	0	12	6	12	13	s.	Fr. Adelhelm Hess
Edgerton	Platte	856	21	59.6[b]	+ 3 3	85	13	23	28	36	30	11.98	+9.36	3.75	T.	17	4[b]	9[b]	16[b]	e.	Fred L. Stiff
Elsberry	Lincoln	449	10	61.1	+ 3.6	85	4†	27	28	32	10	12.80	+10.29	4.50	0	15	6	11	14	sw.	Ray E. Mills
Fayette	Howard	760	61	60.0	+ 3.6	84	21	25	28	31	58	12.40	+9.51	2.24	0	21	8	6	17	s.	Irvin E. Schnell
Fulton	Callaway	818	53	....	......	..	..	..	..	..	49	....	......	....	....	..	..	..	..	......	J. Roy Jackson
Grant City	Worth	1,134	37	57.2	+ 2.1	82	6†	21	28	33	49	9.17	+6.13	2.31	T.	16	7	7	17	sw.	Howard Rybolt
Hannibal	Marion	759	49	59.2	+ 3.2	84	6	26	28	30	57	9.57	+7.18	2.17	0	16	7	2	22	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	52	60.4	+ 2.7	85	13	29	28	27	52	11.94	+9.02	3.01	0	12	6	6	19	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	3	60.9	......	86	13	27	28	31	3	11.23	......	2.80	0	13	7	5	19	sw.	University of Kansas City
Kidder	Caldwell	1,020	49	58.2	+ 2.4	83	13	22	28	31	53	7.31	+4.24	1.70	0	14	6	11	14	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	52	58.7	+ 4.0	82	13	24	28	29	59	11.11	+7.95	1.52	0	18	16	7	8	se.	Howard Coons
Lawson	Ray	1,070	3	59.4	......	83	13	23	28	29	3	11.79	......	2.86	0	15	6	11	14	sw.	Elmer E. Lamb
Louisiana	Pike	469	47	60.4	+ 4.2	86	6	20	29	34	60	16.50	+13.22	5.00	0	17	11	7	13	w.	Stark Bro's Nurseries
Macon	Macon	875	42	58.7	+ 2.4	82	13	25	28	29	48	9.98	+7.09	1.71	0	19	8	6	17	n.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	51	56.7	+ 3.2	83	6†	23	28	30	47	8.65	+5.68	2.25	1.0	13	10	2	19	se.	R. B. Montgomery
Memphis	Scotland	787	2	56.8	......	83	2	28	28†	38	11	8.62	+6.69	2.62	0	16	10	8	13	se.	John W. Alexander
Mexico	Audrain	800	52	59.2	+ 2.9	85	5	25	28	33	63	15.43	+12.36	3.60	0	23	8	3	20	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	4	61.0	......	86	7	26	28	35	4	12.70	......	2.00	0	18	12	8	11	sw.	Beverly Coomes
Oregon	Holt	1,048	85	58.5	+ 3.4	85	13	23	28	32	85	8.50	+5.75	2.43	3.0	12	10	12	9	ne.	Miss Mina Wright
St. Charles	St. Charles	520	53	62.8	+ 4.6	90	6†	30	28	32	63	7.07	+3.89	1.23	0	20	10	10	11	s.	Martin L. Comann
St. Joseph	Buchanan	957	31	58.4	+ 2.4	83	13	26	28	29	69	6.59	+3.70	1.56	T.	16	3	8	20	s.	U. S. Weather Bureau
Saverton, Lock No. 22.	Ralls	472	3	60.1	......	82	5†	28	28	33	3	9.35	......	2.03	0	21	4	20	7	se.	Lockmaster
Shelbina	Shelby	779	0	59.3	......	82	6†	24	28	32	48	11.81	+9.20	2.43	0	19	5	11	15	se.	Guyman Hatcher
Steffenville	Lewis	650	43	58.0	+ 0.6	81	22	25	28	30	48	10.97	+8.24	2.60	0	18	7	14	10	s.	Frank Hall
Tarkio	Atchison	916	38	55.3	+ 0.5	84	13	23	28	34	47	12.10	+9.29	3.85	0	12	7	9	15	sw.	Albert Volker
Trenton	Grundy	822	45	59.6	+ 3.7	84	13	24	28	32	46	9.91	+6.78	1.77	0	17	8	13	10	s.	W. H. Estes
Unionville	Putnam	1,062	48	55.9	+ 0.7	85	2	20	28†	38	48	7.75	+4.62	2.17	0	18	9	7	15	sw.	John H. Schick
Warrenton	Warren	816	59	61.7[a]	+ 5.7	86	6	27	28	33	51	11.63	+8.19	2.85	0	16	9	8	14	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	69	59.2	+ 3.8	80	5	27	28	30	69	11.29	+9.03	3.14	0	17	8	3	20	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**59.2**	**+ 3.2**	**90**	**6†**	**20**	**28†**	**39**	..	**10.41**	**+7.71**	**5.35**	**0.1**	**17**	**8**	**8**	**15**	**sw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	37	61.6[a]	+ 2 9	86	21	26	28	37	42	11.14	+7.25	3.34	0	15	10	9	12	sw.	E. S. Taylor
Appleton City	St. Clair	813	46	61.7	+ 2.8	85	13†	29	28	32	49	9.94	+6.98	2.58	0	15	10	2	19	sw.	Rolla Brown
Bolivar	Polk	1,071	38	62.7	+ 4.1	84	5†	28	28	30	46	11.90	+8.65	2.86	0	18	9	7	15	sw.	Southwest Baptist College
Boonville	Cooper	650	3	59.2	......	82	6†	27	28	23	64	10.14	+6.92	2.63	0	19	7	2	22	ne.	Boonville Water Dept.
Carthage	Jasper	962	7	63.6	......	85	5	28	28	32	17	14.52	......	4.20	0	21	6	10	15	ne.	Carthage W. and E. Plant
Clinton	Henry	786	48	61.7	+ 2.8	86	21	27	28	33	54	9.23	+5 78	2.55	0	16	2	11	18	s.	U. S. Weather Bureau
Eldon	Miller	934	46	60.4[a]	+ 3.0	86	6	28	28†	28	42	12.88	+9.18	5.01	0	19	5[a]	8[a]	17[a]	sw.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	0	62.6	......	87	6	27	28	30	0	10.58	......	1.93	0	22	15	8	8	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	63	59.6	+ 3.5	84	21	24	28	32	66	14.20	+11.23	2.73	0	22	3	3	25	s.	John H. Patterson
Jefferson City	Cole	557	51	59.6	+ 2.8	86	6	25	28†	31	59	14.12	+10.75	5.65	0	18	12	4	15	se.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	19	63.7	+ 3.5	84	21	31	28	24	36	16.67	+13.22	4.35	0	18	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	10	62.8	+ 3.0	86	21	30	28	29	10	11.53	+8.72	4.15	....	18	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	53	60.9	+ 2.0	87	21	25	28†	36	60	15.52	+11.91	4.00	0	18	9	6	16	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	53	60.9	+ 3.2	84	5†	26	28†	32	54	11.13	+7.36	2.18	0	17	5	11	15	ne.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	56	60.5	+ 3.0	85	21	27	28	28	57	10.64	+7.61	2.42	0	19	11	7	13	s.	Miss Carrie Loomis
Lockwood	Dade	1,078	35	63.0	+ 4.3	85	5†	28	28	31	45	12.24	+8.34	3.30	0	19	8	9	14	sw.	Hubert A. Nieman
Marshall	Saline	779	54	60.6	+ 4.0	83	13	26	28	30	51	10.96	+7.83	1.65	0	17	14	8	9	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	40	62.2	+ 4.6	86	5	27	28	29	44	9.99	+6.53	2 14	0	17	3	16	12	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	29	64.0	+ 5.4	88	22	26	28	39	41	15.23	+11.85	4.15	0	17	3	13	15	sw	G. H. Boswell
Neosho	Newton	1,011	54	64.8	+ 5.6	87	5	29	28	33	58	15.15	+11.46	3.60	0	19	6	4	21	s.	U. S. Fisheries Station
Nevada	Vernon	862	48	62.1	+ 4.5	86	21	26	28	39	49	12.69	+9.62	2.40	0	19	6	9	16	se.	Henry Kraft
Ozark Beach	Taney	700	1	65.2	......	90	5	32	28†	36	16	9.37	+5.50	1.83	0	16	3	12	16	......	V. Smith
Sedalia	Pettis	910	28	61.7	+ 4.0	83	13	25	28	28	30	12.79	+10.11	3.00	0	19	7	9	15	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	40	62.4[a]	+ 3.4	86	22	28	28	32	38	13.83	+10.37	3.07	0	17	7[a]	6[a]	17[a]	w.	Floyd E. Fawver
Seymour(near)	Webster	1,642	35	60.6	+ 3.2	79	5†	27	28	27	35	9.59	+6.11	2.03	0	20	7	11	13	s.	A. L. Hailey
Springfield	Greene	1,301	53	62.0	+ 3.8	83	6	27	28	27	53	8.86	+5.81	1.99	0	17	3	7	21	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	0	61.6	......	87	21	24	28	38	0	10.05	......	1.66	0	17	15	1	15	w.	H. F. Nelson
Warrensburg	Johnson	878	54	61.2	+ 3.2	84	21	26	28	32	61	7.79	+4.77	1.30	0	14	7	7	17	se.	E. A. Markey
Warsaw	Benton	687	40	62.4	+ 3.4	86	6	25	28	32	46	11.93	+8.13	3.76	0	18	4	16	11	s.	Everett Martin
Wasola	Ozark	1,294	0	63.4	......	86	5	29	28	28	1	12.05	......	4.46	0	12	13	10	8	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**62.0**	**+ 3.6**	**90**	**5**	**24**	**28**	**39**	..	**11.57**	**+8.43**	**6.85**	**0**	**18**	**8**	**8**	**15**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	4	63.8	......	91	6	32	29	46	4	6.51	......	1.45	0	14	6	9	16	sw..	U. S. Weather Bureau
Arcadia	Iron	926	60	62.4	+ 6.4	87	6	29	28†	40	63	11.51	+8.06	3.03	0	14	10	7	14	......	Arcadia College
Birch Tree(near)	Shannon	1,000	46	62.4[d]	+ 4.0	86	9	27	28	30	47	10.79	+7.51	2.61	0	16	9[d]	5[d]	13[d]	......	V. H. Kirkendall
Campbell	Dunklin	314	15	67.7	+ 7.6	92	6	36	29	38	15	7.85	+4.75	2.10	0	13	9	17	5	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	45	66.4	+ 4.2	90	6†	38	29	32	49	6.08	+2.72	1.45	0	11	20	1	10	n.	Victor T. Malloure
Crystal City	Jefferson	420	7	60.8	......	89	6	29	28	37	7	7.56	......	1.57	0	18	4	6	21	se.	Frank Magre
Doniphan	Ripley	341	37	64.5	+ 6.0	90	6	31	28	41	37	9.77	+6.71	1.95	0	17	15	4	12	n.	Boyce Lackey
Farmington	St. Francois	896	30	63.6	+ 6.8	87	6	30	28	33	44	12.17	+8.73	2.41	0	17	9	7	15	s.	F. M. Karsch
Goodland	Iron	1,000	48	61.8	+ 5.9	85	5†	27	28	38	48	10.79	+7.20	2.68	0	16	13	2	16	s.	F. M. Adams
Greenville	Wayne	381	32	64.2	+ 6.6	90	6	29	28	40	34	8.39	+5.11	2.00	0	11	12	7	12	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	50	64.2	+ 6.3	88	6	34	28†	36	51	7.02	+3.50	2.12	0	12	12	5	14	s.	John G. Putz
Koshkonong	Oregon	958	40	64.0[a]	+ 4.4	86	6	31	28	30	41	10.55	+7.33	1.67	0	15	5[a]	11[a]	14[a]	se	R. M. Hitt

Continued on next page

Climatological Data for October 1941—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—	*Concluded*																				
Licking(near)	Texas	1,170	4	62.3	......	87	9	25	28	39	4	8.43	......	1.20	0	18	7	10	14	s.	U. S. Forestry Service
Marble Hill	Bollinger	470	46	64.0	+ 5.8	90	6	30	28†	40	48	7.28	+3.86	1.90	0	16	10	9	12	se.	R. A. DeWitt
Poplar Bluff	Butler	339	36	66.0	+ 5.9	91	6	31	28	39	37	8.13	+4.47	3.08	0	12	10	9	12	nw.	B. R. Wheetley
Rolla	Phelps	1,202	41	61.4	+ 4.9	85	6	28	28	28	57	7.04	+3.58	0.90	0	17	5	10	16	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	104	63.3	+ 4.5	88	5	32	28	23	101	7.46	+4.74	1.66	0	16	6	10	15	sw.	**Section Center**
St. Louis Airport	St. Louis	556	4	61.6	......	89	6	29	28	29	10	6.67	......	1.05	0	17	6	8	17	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	29	62.8	+ 4.2	89	6	32	28	24	29	4.60	+1.44	0.95	0	17	9	5	17	se.	St. Louis University
Salem	Dent	1,173	37	62.1	+ 4.5	87	5	28	28	30	40	9.55	+5.93	2.19	0	16	9	5	17	s.	E. E. Martin
Sikeston	Scott	318	34	66.2	+ 6.9	92	6	35	29	36	41	7.59	+4.32	2.34	0	10	6	20	5	ne.	Mrs. Hazelle P. Young
Union	Franklin	520	3	62.4	......	90	6	28	28	38	24	7.58	+4.10	1.17	0	17	9	5	17	se.	Robert Mueller
Wappapello Dam	Butler	475	2	65.4	......	86	5†	34	28	33	2	8.90	......	3.00	0	12	10	13	8	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	0	63.3	......	88	6	33	28†	37	1	10.42	......	2.45	0	14	5	2	24	n.	John A. Kettinger
West Plains	Howell	1,005	4	63.0	......	87	6	30	28	34	4	10.24	......	2.48	0	15	3	10	18	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	0	63.0	......	88	5	27	28	39	34	12.07	+8.75	2.30	0	18	12	5	14	nw.	G. W. Yarnell
Cairo, Ill.	Alexander, Ill.	315	69	66.0	+ 5.6	88	6	37	29	25	70	7.66	+4.90	2.25	0	13	7	9	15	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**63.6**	**+ 5.6**	**92**	**6**	**25**	**28**	**46**	..	**8.45**	**+5.38**	**3.35**	**0**	**15**	**9**	**8**	**14**	**s.**	
State means	**and extremes**	.....	..	**61.6**	**+ 3.9**	**92**	**6**	**20**	**28†**	**46**	..	**10.14**	**+7.17**	**6.85**	**T.**	**17**	**8**	**8**	**15**	**s.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ‡‡‡ Formerly carried as Dean.
¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Bragg City, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, Weingarten, and Willow Springs.

Continued from page 53

PRECIPITATION

The average for the State, 160 stations reporting, was 10.14 inches, or 7.17 inches more than normal. The greatest local monthly amount was 16.67 inches at Joplin, and the least local monthly amount was 4.60 inches at St. Louis University. The greatest amount in any twenty-four hours was 6.85 inches at St. Thomas (near) on the 5th. The average number of days with 0.01 inch or more was 17.

Light to moderate snow fell on the 31st at a few northwestern stations, but mostly melted as it fell. The greatest amount recorded was 3.0 inches at Oregon.

MISCELLANEOUS PHENOMENA

Earthquake.—Moderate, in New Madrid area on 21st.

Floods.—In Grand River from 10th to 13th. In Missouri River at Waverly on 12th; at Hermann and below from 5th to 17th and at St. Charles and below from 25th to 29th; also, at Hermann and below on 31st and continued into November. In Mississippi River at Grafton on 7th and 8th and at Hannibal from 10th to 13th and from 26th to 28th. In Osage River from 5th to 16th and from 30th continuing into November.

Fogs.—Dense, 1st, 2d, 3d, 4th, 6th, 8th, 10th, 11th, 14th, 15th, 18th, 19th, 20th, 21st, 22d, 23d, 25th, 30th, 31st.

Frosts.—Light, 7th, 11th, 28th, 29th; heavy, 27th, 28th, 29th; killing, 27th, 28th, 29th.

Hail.—Light, on 6th at Amity, Kansas City, and University of Kansas City; on 21st at Unionville; on 26th at Grant City and Linneus. Moderate, on 26th at Brunswick.

Halos.—Solar, 6th, 15th, 16th, 19th, 21st, 23d, 28th; lunar, 1st, 3d, 5th, 29th.

Thunderstorms.—Local, 1st, 2d, 3d, 4th, 5th, 7th, 8th, 13th, 17th, 19th, 20th, 21st, 22d, 25th, 27th, 30th; more or less general, 6th, 9th, 14th, 26th.

Tornado.—On 6th at Kansas City and Cameron. (See special tornado notes.)

Windstorms.—High winds were reported on the 6th at several stations in the northwest part of the State, but no damage except at Amity and at Lawson and near Lawson. At Amity trees were blown down and limbs torn off, while only minor damage occurred at Lawson but was reported more severe to the northwest of Lawson. This report probably refers to the tornado at Cameron described under tornado notes.

A severe local windstorm, reported in press reports as a tornado, struck at Armstrong, in Howard County, on the 26th at 5.10 p. m., resulting in slight injury to one person and property damage estimated at about $5,000. This storm moved from the Southeast toward the Northwest, over a path 200 feet wide. The only damage was done at the east end of Main Street in Armstrong.

TORNADO NOTES

Turbulent weather conditions and tornadic activity prevailed in the Kansas City, area and vicinity, on the afternoon and night of October 6th, and several funnel-shaped clouds were observed. However, not all of these struck the ground but passed high overhead.

One destructive tornado struck at Kansas City and vicinity, at about 5:00 p. m. of the 6th, traveling in a northeasterly direction, over a path 300 feet wide and nine miles in length. This storm resulted in the deaths of four persons, injury to 135, and property damage estimated at $250,000. Destruction was characteristic of all such storms, consisting of demolished and unroofed houses, structural damage to buildings and industrial plants, uprooted and broken trees, and broken power and transmission lines, and various freakish happenings. (Excerpt from report by O. I. C. Weather Bureau, K. C. Mo.)

At 10:30 p. m. of the same day another tornado struck Cameron and vicinity, in Clinton County, resulting in injury to one person and property damage estimated at $100,000. This storm moved from southwest to northeast over a path one mile wide.

ERRATA

September 1941, page 49: total precipitation at Rolla should be 7.16, departure should be +3.02; page 51: precipitation on 1st at Rolla should be .50, total should be 7.16; page 52: minimum temperature at Rolla on 15th and 30th should be 71 and 59 respectively, mean minimum should be 61.2.

Daily Precipitation for October 1941

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Albany	Grand	....	.74	.06	.20	.02	.13	.51	....	1.60	....	....	....	....	.61	....	....	.01	....	.01	.44	.53	.08	.02	....	....	.42	.06	....	.05	.06	1.93	7.48
Amity[2]	do	....	T.	1.83	T.	.06	.54	1.58	....	1.57	.02	....	....	T.	.14	....	....	.10	T.	....	.47	.07	.20	.07	T.	....	.63	.06	....	T.	.05	.55	7.94
Bethany	do	....	1.38	.09	....	....	.48	.58	....	1:67	....	....	....	....	.40	....	....	.03	.07	.36	.79	....	....	....	....	....	.71	....	....	.27	....	1.54	8.37
Bowling Green[2]	Mississippi	....	.12	.54	.39	5.10	....	.14	....	*	.83	....	....	....	.28	....	....	*	1.18	.10	....	.64	.19	.43	....	....	.50	....	....	....	1.05	.67	12.16
Brookfield	Grand	....	3.13	T.	*	1.64	1.40	.30	....	.90	....	....	....	.28	.73	....	....	.07	.17	T.	T.	2.45	....	....	....	....	.62	.04	....	T.	.20	1.38	13.31
Brunswick[2]	do	T.	.38	2.05	.02	1.04	.15	1.28	....	1.12	.18	....	....	.06	.43	....	....	....	.13	.15	.18	.69	....	....	T.	....	.17	1.17	....	....	.23	.73	10.16
Canton, Lock No. 20[2]	Mississippi	....	.09	2.79	.12	1.05	.11	1.20	....	.97	.10	....	....	.03	.97	.02	....	.06	.18	T.	T.	1.48	.03	.02	....	....	.18	.42	.02	....	.17	.56	10.57
Centralia[2]	do.	....	.73	1.18	.58	2.25	....	.60	....	.70	....	....	....	.02	.48	....	....	...	.35	.50	.03	1.24	....	.11	....	....	.50	.. .	....	....	1.60	.63	11.50
Chillicothe[2] (A)	Grand	.02	.61	1.83	.01	.41	.32	1.14	....	1.36	....	....	....	.01	.90	T.	....	....	.02	....	.18	.28	.02	.01	....	....	.58	.33	....	....	.10	.49	8.62
Clifton Hill	Chariton	.40	1.80	1.10	.40	.30	.10	.60	....	1.16	....	....	....	.29	.64	....	....	.07	.11	.50	.03	1.30	.23	....	....	....	.70	....	....	.08	.50	1.02	11.33
Columbia [1]‡	Missouri	....	1.17	1.38	3.22	....	.17	.30	....	.95	....	....	....	.01	.34	....	T.	.61	T.	.41	T.	.61	.36	....	....	....	.90	.01	....	.58	1.93	.49	13.44
Conception	do	T.	.42	T.	.15	....	T	....	2.46	....	....	....	....	....	.60	....	....	T.	....	T.	1.06	.20	.08	T.	....	....	.40	.10	....	.07	.07	1.70	7.31
Edgerton	do	....	.81	.01	.13	....	.65	.49	....	3.75	....	....	....	.01	2.32	....	....	.02	....	.23	.67	.18	....	....	T.	....	.95	.01	....	.07	.05	1.63	11.98
Edina[2]	Mississippi	....	.28	1.92	....	.98	.04	1.57	....	.93	.28	....	....	.37	1.04	....	....	.04	.13	....	....	.89	....	.09	....	....	.20	.40	....	....	.08	.54	9.78
Elsberry	do	....	.38	....	2.00	4.50	.08	....	....	.65	....	....	....	....	.14	....	....	.50	.70	....	....	.76	.15	....	....	....	.85	.02	....	.07	.98	1.02	12.80
Farber[2]	do	....	.85	....	*	4.00	*	1.00	....	*	.90	....	....	....	*	*	.65	....	*	.25	....	1.65	.35	....	....	....	*	1.00	....	.30	2.00	.50	13.45
Fayette	Missouri	....	2.03	1.22	2.24	.25	.40	.51	....	.98	....	....	....	.02	.45	....	....	.14	.02	.63	.01	.27	.04	.02	T.	....	.52	.47	....	.05	1.07	1.06	12.40
Fulton[2]	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Gallatin[2]	Grand	....	.13	1.46	T.	....	.26	.82	....	1.22	....	....	....	....	.23	....	....	T.	T.	....	.27	.26	T.	T.	....	....	.36	.56	....	....	.10	.37	6.04
Gorin	Mississippi	....	1.58	1.71	.60	.10	1.69	.12	....	1.06	....	....	....	.53	.34	....	....	.10	.23	T.	....	.42	.12	....	....	....	.34	.15	....	....	....	1.53	10.62
Grant City	Grand	....	.37	.02	.13	T.	....	1.01	....	2.31	....	....	....	....	.09	....	....	....	.05	T.	.67	.59	.98	.02	....	....	.71	.11	....	.04	.09	1.98	9.17
Hannibal[3] (A)	Mississippi	....	1.09	.32	2.17	....	.52	.19	....	.67	....	....	....	T.	.77	....	....	.83	....	.12	....	.59	.05	....	....	....	.51	.05	....	.33	.80	.56	9.57
Hermann[2]	Missouri	.26	.12	.13	.45	5.35	....	.16	....	....	.60	....	....	T.	.26	.14	....	.07	1.15	....	.02	.30	.66	.60	....	....	.17	.78	....	....	.78	1.09	13.09
Kahoka[2]	Mississippi	....	....	2.15	*	.85	*	2.05	....	*	1.00	....	....	.60	.45	....	....	*	.25	....	.05	.45	....	.18	....	....	*	.80	...	....	....	.42	9.25
Kansas City Airport [1]‡	Missouri	....	1.79	T.	.26	....	3.01	....	....	1.68	....	....	T.	T.	.69	....	T.	T.	T.	.54	1.45	T.	T.	....	T.	.09	.48	T	....	.25	.28	1.42	11.94
Kansas City University	do	....	2.16	T.	.62	....	2.15	.65	....	*	1.08	....	....	....	.44	T.	....	....	....	.81	.75	T.	....	....	....	....	.62	....	....	.23	.10	1.62	11.23
Kidder[2]	Grand	....	.22	1.70	....	.12	.54	.89	....	1.05	....	....	....	....	1.03	....	T.	....	....	T.	.43	.02	....	.01	....	....	.59	.10	....	....	.11	.50	7.31
King City	Missouri	....	.95	....	.28	.03	.42	.68	2.11	....	....	....	....	....	.32	....	....	....	....	.43	.10	....	....	....	....	.50	....	....	....	....	.32	1.42	7.56
Kirksville	Mississippi	....	1.26	1.18	.75	.07	1.42	.36	....	1.10	....	....	....	.22	.44	....	....	.13	....	....	.15	1.33	.10	.01	....	....	.59	.39	....	....	.09	1.52	11.11
LaBelle[2]	do	....	.30	2.94	....	.96	....	1.16	....	1.21	.17	....	....	.07	.97	.03	....	.04	.19	....	....	.72	....	.12	....	.36	.44	....	....	....	.19	.66	10.53
Lawson	Missouri	....	1.70	.03	.49	....	2.09	.45	....	2.86	....	....	....	.04	.96	....	....	T.	T.	.30	.51	.20	....	....	....	....	.37	T.	....	.17	.08	1.54	11.79
Linneus[2]	Grand	....	.12	1.05	.09	.93	.63	1.12	....	.91	.09	....	....	.34	.64	....	....	.04	.02	....	.10	1.44	....	T.	....	....	.19	.78	....	....	.08	.47	9.04
Louisiana (A)	Mississippi	....	.52	5.00	2.80	....	.15	....	....	1.00	....	....	....	....	.70	....	....	.90	.03	....	.20	.50	.10	.15	....	....	1.70	.70	....	1.00	.65	.40	16.50
Lucerne[2]	Grand	....	.37	.88	....	.05	1.10	.94	....	2.12	.14	....	....	....	.39	....	....	.04	.03	....	.28	.33	....	.10	....	....	.28	.53	....	....	.06	.26	7.90
Macon[2]	Chariton	....	.40	1.71	.01	1.08	.38	.56	....	.77	.03	....	....	.53	.57	....	....	.03	.13	.02	....	1.22	....	.28	....	....	.30	1.06	....	....	.28	.62	9.98
Madison[2]	Mississippi	....	.75	1.57	.29	1.62	....	.76	....	.60	.16	....	....	.07	.51	.04	....	.01	.27	.58	.04	.86	....	.04	....	....	.10	.65	....	.02	.74	.36	10.04
Maryville	Missouri	....	.27	....	.15	....	....	.80	....	2.25	....	....	....	....	.11	....	....	....	....	....	1.39	.13	1.21	....	....	....	.15	.11	....	.15	.06	1.87	8.65
Memphis[2]	Mississippi	....	....	2.62	.02	.90	....	.94	....	1.80	.14	....	....	.06	.40	T.	....	.06	.06	T.	....	.30	....	.16	....	....	.44	.36	.03	....	....	.33	8.62
Mexico[2]	do	.38	.50	.75	.95	3.60	.32	.28	....	.10	.85	....	....	....	.45	.04	....	.06	.50	.45	.20	1.95	.28	.40	....	....	.10	.60	.02	....	1.80	.85	15.43
Milan[2]	Grand	....	1.83	1.52	....	.53	.38	.85	....	1.05	.07	....	....	....	.18	....	....	....	.07	....	.06	.25	....	.12	....	....	.48	.63	....	...	.08	.41	8.51
Moberly	Mississippi	....	1.72	.98	1.65	.33	.20	.83	....	.85	....	....	....	.10	.53	....	....	.20	....	.72	.03	2.00	.10	....	....	....	.60	....	....	.06	.82	.98	12.70
Monroe City	do	....	2.27	.86	1.83	.54	.68	.47	....	.66	....	....	....	....	1.19	....	....	.26	.05	.29	....	.86	....	....	....	....	.19	.53	....	.14	1.38	.62	12.82
Oregon	Missouri	....	.51	....	.03	.03	....	.67	.03	2.40	....	....	....	....	....	.11	....	....	....	T.	1.74	....	.36	....	....	....	T.	.57	....	T.	.15	1.90	8.50
Palmyra[2]	Mississippi	.03	.40	1.80	.20	1.60	.03	.55	....	.44	.22	....	....	.15	*	.59	....	*	.37	.10	....	1.10	.05	.18	....	....	....	.70	.08	....	.45	.37	9.41
Paris[2]	do	.01	1.42	1.62	.60	1.87	.03	.57	....	.32	.24	....	....	....	.51	.02	....	....	.29	.43	....	.97	.03	.26	....	....	.23	.65	.01	....	1.00	.30	11.38
Perry[2]	do	....	.47	.53	.52	2.38	.09	....	....	.30	.35	....	....	....	.25	....	....	.10	.47	....	....	.20	80	....	....	....	.10	.40	....	....	1.35	.40	8.71
Philadelphia[2]	do	....	1.94	.67	2.24	....	.31	.19	....	....	.74	....	....	....	.67	....	....	.41	....	.10	1.49	....	.22	....	....	....	.84	.05	....	....	.74	.90	11.51
Platte City[2]	Missouri	....	.11	.87	....	.15	....	1.74	....	2.50	T.	....	....	....	1.26	....	....	....	....	....	1.20	.03	.03	....	....	....	.85	....	....	....	.10	.32	9.16
St. Charles[2]	do	.03	.10	.07	.02	.92	....	.05	....	.09	.18	T.	....	.02	.40	.03	....	.09	1.05	....	....	.80	.20	.85	....	....	.20	.57	....	....	.17	1.23	7.07
St. Joseph[1]‡	do	....	1.34	T.	.02	....	1.11	.01	.01	.81	....	....	....	..	.16	....	T.	.03	....	.11	.51	T.	.03	....	....	.04	.73	T.	....	.04	.08	1.56	6.59
Saverton, Lock No. 22[2]	Mississippi	.07	.07	.87	.25	2.03	1.24	.12	....	.19	39	....	....	.02	.31	.05	....	.07	.67	T.	.06	.57	.03	....	....	....	.15	.49	....	....	1.28	.42	9.35
Shelbina	do	....	2.05	.91	2.43	.22	.05	.40	....	.70	....	....	....	.34	.68	....	....	.04	.30	.16	T.	1.00	.22	....	....	....	.61	.13	....	.02	.53	1.02	11.81
Shelbyville[2]	do	....	....	2.74	....	2.14	....	1.10	....	.70	....	....	....	....	.43	....	....	....	.37	....	.41	.87	....	.89	....	....	.49	.27	....	....	.43	1.04	11.88
Steffenville[2]	do	....	.10	2.60	.10	1.05	.15	1.60	....	1.25	....	....	....	.30	.55	....	....	.04	.20	....	.02	1.45	....	.15	....	....	.28	.40	....	....	.28	.45	10.97
Tarkio	Missouri	....	.47	....	1.58	.15	1.32	1.25	....	1.34	....	....	....	....	....	....	....	....	....	....	1.13	.15	.55	....	....	....	.19	....	....	....	.12	3.85	12.10
Trenton	Grand	....	1.55	....	.18	....	1.54	.68	....	1.00	....	....	....	.05	.17	....	....	.05	.03	.18	....	1.77	.16	....	....	....	*	.81	....	.02	.10	1.62	9.91
Troy[2]	Mississippi	.20	.15	.20	.35	4.50	....	.35	....	....	.56	....	....	....	.34	.03	....	.05	1.55	....	....	.80	.42	.38	....	....	.08	.70	T.	....	.78	1.50	12.94
Unionville[2]	Chariton	....	.20	1.05	....	.15	.70	1.47	....	1.90	.15	....	....	.10	.20	....	....	.10	.10	....	.05	.35	....	.08	....	....	.25	.60	....	....	.05	.25	7.75
Warrenton	Mississippi	....	.30	....	1.51	2.85	T.	.15	....	.52	....	....	....	....	.42	....	....	.86	.50	....	....	.71	.33	.20	....	....	.80	.17	....	.07	1.20	1.04	11.63
Keokuk, Iowa [1]‡	do	....	3.04	.10	.72	....	2.24	.23	....	1.36	....	....	....	.40	.11	....	T.	.30	.27	T.	T.	.47	.28	....	....	....	.58	.22	....	.02	.16	.79	11.29
Southwestern Division																																	
Altona[2]	Osage	....	.43	.12	.06	1.95	....	.85	....	....	1.16	....	....	....	.35	T.	T.	....	....	....	.37	T.	....	....	....	....	1.58	....	....	....	1.21	.68	8.76
Anderson (near)	Neosho	....	.12	....	....	T	.78	T.	....	.04	....	....	....	.08	1.18	1.35	T.	.46	....	....	....	....	1.18	.18	1.00	.38	.72	....	....	.22	3.34	.11	11.14
Appleton City	Osage	....	.47	....	*	2.58	.15	.55	....	.58	....	....	....	....	.92	....	.15	.05	....	....	.42	....	.16	....	....	....	.96	....	....	.25	1.62	1.08	9.94
Bolivar	do	....	.56	.01	2.30	2.86	.03	.31	....	.51	....	....	....	....	.60	.16	.24	.49	.04	....	....	....	.03	....	.04	....	.32	T.	....	.17	2.65	.58	11.90
Boonville[2] (A)	Missouri	....	.77	.66	.37	2.63	.27	.46	....	.85	.21	....	....	.05	.45	T.	....	.25	.08	.62	...	.12	.06	....	....	....	.15	.35	....	....	1.39	.40	10.14
Buffalo[2]	Osage	1.75	.04	....	1.15	4.85	....	.23	....	....	.40	....	....	....	.09	.91	.24	.19	.50	....	....	....	.12	....	....	....	.36	....	.10	1.85	1.24	.24	14.26
Butler[2]	do	....	.24	.15	.25	1.74	....	.73	....	*	.83	....	....	....	.51	.13	.05	.08	....	....	....	.40	....	.03	....	....	.85	.23	....	....	1.60	.66	8.48
Caplinger Mills[2]	do	.35	.25	.15	3.97	....	.49	....	....	.80	....	....	....	.89	.39	.27	.05	.10	....	....	.03	T.	.07	T.	....	T.	.93	....	....	2.75	.85	.50	12.84
Carthage	Neosho	.05	.17	.10	4.20	.24	.15	.79	....	.27	....	....	....	....	1.30	.62	.97	.32	.02	T.	....	....	.11	.04	.04	.02	.82	....	....	.25	3.07	.97	14.52
Clinton[4]	Osage	....	.64	.02	2.55	....	.02	.45	....	.86	....	....	....	.01	.30	..	T.	.01	....	....	.45	....	.14	....	....	T.	.78	.02	....	.94	1.05	.99	9.23
Concordia[2]	Missouri	....	.35	1.61	T.	....	....	1.91	....	1.00	.25	....	....	.23	.45	T.	....	....	T.	.50	1.25	.75	....	1.00	T.	....	.20	.14	T.	T.	.30	.75	10.69
Crocker[2]	Osage	.49	.13	.02	.27	1.96	....	.08	....	....	1.27	....	....	....	.11	.22	.12	.65	1.29	T.	....	....	....	.28	....	....	.38	.40	....	.05	.51	1.34	9.57
Eldon[2]	Missouri	.33	.11	.26	1.41	5.01	....	.22	....	....	.47	....	....	....	....	.21	....	.05	.63	.07	.02	.01	.03	.04	....	....	.19	1.03	....	....	1.47	1.32	12.88
Eldorado Springs	Osage	....	.40	.01	3.00	.21	.49	.49	....	.57	....	....	....	T.	1.46	.03	.27	.08	.08	....	1.15	....	....	....	....	....	.81	....	....	.21	2.69	1.39	13.34
Fort Leonard Wood	Gasconade	.29	.39	.17	.29	.21	.47	T.	....	.89	.19	....	....	.03	1.93	.39	.37	1.89	.27	....	....	.03	.02	....	....	.19	.57	.04	....	.39	.97	.59	10.58
Galena[2]	White	1.95	.10	T.	.06	1.42	....	.17	....	....	.35	....	....	....	....	.87	1.64	.62	.72	....	....	....	....	.14	.27	....	.08	.69	....	....	3.05	1.75	13.88
Hailey	do	T.	.24	.33	.94	.11	....	....	....	.66	.41	.13	T.	.44	.63	.42	.98	.31	.24	....	....	....	....	T.	.49	....	.84	....	....	T	3.08	.91	11.16
Harrisonville[2]	Osage	....	1.61	.36	.38	1.92	.30	2.73	....	1.06	.12	....	....	.08	.45	.06	...	.03	.02	1.30	.33	.14	....	.03	....	....	.91	.05	....	.02	.47	1.83	14.20
Higginsville[2]	Missouri	....	1.30	.03	.38	.56	.50	1.59	....	1.35	.03	....	....	.36	.41	....	....	....	....	.71	.10	.04	....	....	....	....	.85	.11	....	....	.28	1.15	9.75
Jefferson City[2]	do	.17	.38	.30	.75	5.65	.08	.14	....	....	.50	....	....	...	.47	.03	....	.09	1.11	T.	.05	....	....	.37	....	....	.14	.98	....	....	1.31	1.60	14.12
Joplin[3]	Neosho	.01	.41	.10	4.33	....	.25	.70	....	.18	....	....	....	....	.91	.64	1.53	.33	....	....	....	....	.15	.11	.06	....	.71	....	....	1.08	4.35	.82	16.67
Lakeside[2]	Osage	.21	.28	.26	1.27	4.15	....	.07	...	....	.27	....	....	....	.13	.05	T.	.24	.76	....	T.	.03	....	.05	....	....	.14	.64	....	.01	1.52	1.45	11.53
Lamar[2]	Neosho	.85	.38	.22	.63	4.00	....	.75	....	....	.30	....	....	....	.35	.93	.48	.35	.10	....	....	.03	....	.05	....	....	.15	1.25	....	....	3.70	1.00	15.52
Lebanon[2]	Osage	.79	.24	....	.32	2.18	.80	....	....	....	.42	....	....	T.	.16	1.36	.18	.38	.93	....	....	....	....	.31	....	T.	.20	.82	....	.08	.82	1.14	11.13
Lexington[2]	Missouri	....	.47	.85	.10	1.40	.78	1.51	....	2.40	.02	....	....	.08	.41	....	....	....	.02	.14	.38	.31	....	.05	....	....	.67	.04	....	T	.20	.81	10.64
Lockwood	Osage	.12	.28	.07	3.30	.25	.60	.40	T.	.55	....	....	....	....	98	.39	.45	.32	.30	....	....	....	.20	....	T.	....	.42	.11	....	.15	2.65	.70	12.24
Manes[2]	Gasconade	2.06	.53	....	.30	.77	....	.19	....	....	.18	....	....	....	T.	1.01	.27	.52	1.22	....	....	....	....	.23	....	....	.19	.45	....	...	.55	1.87	10.34
Marshall	Missouri	....	1.18	.32	1.65	.30	.56	.60	....	1.65	....	....	....	.32	.46	....	....	....	.10	.72	.04	.07	....	....	....	....	1.13	....	....	.07	.65	1.14	10.96
Mountain Grove	White	1.36	.34	.03	.44	.30	.02	.02	....	.55	....	....	....	....	.13	.58	.40	2.00	.14	....	....	....	....	....	.31	....	.74	....	....	....	1.68	.95	9.99
Mount Vernon	Neosho	....	.90	.21	4.15	1.45	....	.30	....	.10	....	....	....	....	1.35	.27	.85	.10	.40	....	....	....	.30	....	.30	....	.58	....	....	.25	3.00	.69	15.23
Neosho	do	.04	.29	.02	2.33	2.20	1.17	.31	....	.03	....	....	....	T.	.12	.77	1.44	.33	T.	....	....	....	.40	.01	.61	....	.55	....	....	.13	3.60	.80	15.15
Nevada	Osage	....	.42	.03	2.37	.03	.41	.66	...	1.31	....	....	....	....	1.74	.05	.31	.12	.03	....	1.25	....	.01	....	.03	....	.55	....	....	.24	2.04	1.09	12.69
Osceola[2]	do	.20	.42	....	.90	1.95	....	....	....	.53	....	....	....	.07	.63	.03	.16	....	.06	....	.50	....	....	....	....	....	.32	.73	....	.03	2.85	1.02	10.40
Ozark Beach[2]	White	1.52	.12	....	.38	.39	....	.16	.02	....	....	....	....	....	....	.30	1.74	.93	.50	....	....	....	....	....	.04	.10	.23	.11	....	...	1.00	1.83	9.37
Pleasant Hill[2]	Osage	....	.38	1.33	.50	1.85	.25	3.29	....	.65	.45	....	....	....	.44	.10	....	T.	.03	1.50	1.05	.06	....	T.	....	....	.70	.45	....	.05	.35	1.02	14.45
Roby[2]	Gasconade	.10	.15	....	....	.80	....	....	....	....	....	....	....	....	....	1.21	.20	.25	1.25	....	....	....	....	....	....	.10	.20	....	....	.24	.54	2.00	7.04
St. Thomas (near)[2]	Osage	.22	.21	.05	.34	6.85	....	....	....	....	.54	....	....	....	.18	....	....	.30	1.30	....	....	....	....	.88	....	....	.27	.39	....	....	1.38	1.52	14.43
Sedalia	Missouri	....	2.12	.75	3.00	.45	.28	.46	....	1.16	....	....	....	.05	.33	....	T.	.03	.03	.18	.03	....	.12	.03	....	....	.76	....	....	.08	1.93	1.00	12.79
Seligman	Neosho	.97	.08	.05	1.10	.97	.04	.55	T.	.28	....	....	....	....	.75	1.40	1.10	.49	....	....	....	....	T.	.05	.84	....	1.22	....	....	....	3.07	.87	13.83
Seymour (near)	White	1.05	.29	.02	.60	.52	.08	.26	....	.22	....	....	....	....	.28	.48	.24	1.08	.04	....	....	....	.04	.04	.18	....	.94	....	....	.02	2.03	1.18	9.59

Continued on next page

Daily Precipitation for October 1941—Continued from preceding page

Stations	Drainage basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—	*Concluded*																																
Springfield[1]‡	White	.11	.11	T.	1.85	.14	....	.26	T.	.34	....	....	....	T.	.95	.82	.69	.50	.01	T.	T	....	.12	....	.02	....	.63	T.	....	.41	1.90	.50	8.86
Stover[2]	Missouri	....	....	....	1.49	2.55	....	.35	....	....	.90	....	....	....	.16	....	....	.35	....	....	....	....	....	....	....	....	....	....	....	....	2.00	.84	8.64
Sweet Springs	....do	.01	1.03	.44	1.40	.26	.08	.58	....	1.01	....	....	....	.13	.51	T.	....	T.	T.	.68	.13	.20	T.	T.	....	....	1.61	T.	....	.08	.75	1.15	10.05
Warrensburg	....do	....	.69	.12	1.18	.33	.06	.51	....	1.30	....	....	....	.15	.45	....	....	....	....	.80	....	....	T.	.03	....	....	....	....	....	.10	.81	1.26	7.79
Warsaw (A)	Osage	....	.68	.03	3.76	.39	.35	.37	....	.39	....	....	....	T.	.55	.01	.02	.02	.02	T.	.09	....	T.	.10	....	....	.87	....	....	.11	3.27	.90	11.93
Wasola	White	1.55	.39	....	.30	T.	.24	....	....	.23	....	....	....	....	.06	.33	....	1.46	....	....	....	....	....	....	.65	....	....	.40	....	....	2.86	.58	12.05
Waverly[2]	Missouri	....	.35	.88	.02	.92	.48	.85	....	1.40	.40	....	....	.06	.47	....	....	....	T.	.52	.20	.10	....	....	....	....	.35	.90	....	....	.25	.83	8.98
Southeastern Division																																	
Advance[4]	St. Francis	.64	.01	.16	.27	.03	....	.07	....	.32	....	....	....	....	.77	.12	.03	.58	....	....	....	....	....	....	....	....	.69	....	....	....	1.37	1.45	6.51
Alton (near)	Black	.43	....	.49	.78	....	....	.12	....	.47	.16	....	....	....	....	1.56	1.12	1.03	.48	....	.14	....	....	....	....	....	1.41	.04	....	....	1.71	1.97	11.91
Annapolis	St. Francis	.83	.02	.75	.52	....	....	.13	....	1.06	....	....	....	....	.62	.45	.14	1.25	1.93	....	....	....	....	....	....	....	.60	.19	....	....	2.03	2.36	12.88
Arcadia[2]	....do	1.22	.22	.60	.07	.41	T.	.24	T.	.06	.33	....	....	....	....	1.72	.30	.06	3.03	....	T.	....	T.	....	....	....	T.	.48	T.	....	T.	2.74	11.51
Belleview	Meramec	2.70	.25	.60	....	....	.30	.20	....	.48	....	....	....	....	2.00	.04	.06	.49	.74	....	....	....	....	....	....	....	....	.10	....	....	1.60	1.40	10.96
Birch Tree (near)	Black	.85	.11	.78	.16	.12	....	....	....	.77	....	....	....	....	.68	.55	.40	1.04	.30	....	....	....	....	....	.05	....	.35	.25	....	....	2.61	1.77	10.79
Bragg City[2] (A)	St. Francis	.07	T.	.30	.24	....	....	T.	....	....	.84	....	....	....	....	.75	.37	.34	.27	....	....	.05	....	....	....	....	....	1.10	....	....	.39	1.06	5.78
Campbell	....do	.01	.31	.13	.75	....	....	....	....	....	.47	....	....	....	....	2.10	.41	.03	.44	....	T.	.05	....	....	....	....	....	.83	....	....	.54	1.75	7.85
Cape Girardeau[2]	Mississippi	.40	.89	.22	.36	.30	....	....	....	....	.19	....	....	....	....	.96	.11	T.	.22	....	....	....	T	....	....	....	....	1.35	....	....	....	2.44	7.44
Caruthersville[2]	....do	....	T.	.15	.45	....	....	....	.17	....	1.40	....	....	....	....	.15	.45	.16	.50	....	....	....	.20	....	....	....	....	1.00	....	....	....	1.45	6.08
Centerville[2]	Black	1.17	.22	1.01	.30	.42	....	.25	....	.04	.35	....	....	....	....	.87	.19	.11	1.43	....	....	.02	T.	.02	....	....	.07	.47	....	T.	2.17	....	9.14
Crystal City	Mississippi	.13	28	.22	.20	.56	....	.38	....	.27	....	....	....	.01	.20	.04	....	.22	1.35	....	....	.60	....	.51	....	....	.29	....	....	.04	.98	1.25	7.56
Cuba[2]	Meramec	1.16	.09	.38	.47	.67	....	.10	....	....	.35	....	....	....	....	.27	....	.09	.56	....	....	....	.43	.49	....	....	.19	.75	.47	....	.41	.83	7.71
Deering	St. Francis	....	....	.38	....	....	....	.13	....	1.45	....	....	....	....	....	.43	.28	.16	.25	....	....	.01	....	....	....	....	....	1.13	....	....	.85	.65	5.72
Dexter[2]	....do	....	1.23	.20	.85	.11	....	....	T.	....	.84	....	....	....	....	1.92	.34	....	.44	....	....	.02	.02	....	....	....	....	.87	....	....	....	2.67	9.51
Doniphan	Black	.11	.37	.14	.44	....	....	.04	....	.30	.50	....	....	....	....	1.65	.48	.72	.45	....	.32	.19	....	....	....	....	.10	.98	....	....	1.03	1.95	9.77
Farmington	St. Francis	2.41	.02	.55	.12	.28	....	.25	....	.69	....	....	....	....	1.82	.21	.03	.32	1.97	....	....	.16	....	....	....	....	.15	.21	....	....	1.16	1.82	12.17
Fisk[2]	....do	....	.63	.21	.27	.09	T.	T.	....	....	.66	....	....	....	....	1.16	.06	.04	....	....	....	T.	T.	....	....	....	....	.61	....	....	....	2.59	6.32
Fredericktown[2]	....do	.73	.32	.09	.25	....	T.	.18	.03	.18	.14	....	....	....	....	2.26	.30	.04	1.75	....	....	....	....	....	....	....	....	.55	....	....	....	2.99	9.81
Gerald[2]	Meramec	.10	.20	....	.04	.64	....	.09	....	.94	....	....	....	*	.12	.10	.12	.74	....	....	....	*	.44	.64	....	....	.20	.52	....	....	.27	1.34	6.50
Goodland	Black	1.79	.12	.91	.18	.30	....	.23	....	.48	....	....	....	....	2.68	.14	.05	.70	.51	....	....	.05	....	....	....	....	....	.40	....	.85	....	1.40	10.79
Greenville	St. Francis	.62	T.	.26	.08	....	....	.26	....	.64	....	....	....	....	....	1.50	.17	.92	T.	....	....	....	....	....	....	....	....	.88	....	....	1.06	2.00	8.39
Jackson	Mississippi	.48	.53	.15	.65	T.	....	.18	....	.07	....	....	....	....	....	.82	T.	.30	.44	....	....	....	....	....	....	....	....	.76	....	....	.52	2.12	7.02
Jerome[2]	Gasconade	.91	.36	....	.08	.77	....	.19	....	....	.64	....	....	....	....	.33	.14	.28	1.45	....	....	....	.31	.10	....	....	.15	.67	....	.08	.53	.87	7.86
Koshkonong	Black	.36	.12	.92	.38	..	....	.16	....	....	.31	....	....	....	....	1.58	1.50	1.05	.02	....	.01	....	....	....	T.	....	.69	.13	....	....	1.65	1.67	10.55
Leeper[2]	....do	.55	.50	.25	.35	.05	....	.30	T.	....	.50	....	....	....	....	.78	.25	.20	1.18	....	....	....	....	....	....	....	....	.85	....	....	.15	3.35	9.26
Licking (near)	Gasconade	.50	1.15	....	.52	.12	....	.10	....	.30	....	....	....	....	.86	.12	.30	1.10	.40	....	....	.03	.04	.03	....	....	.60	....	....	.03	1.20	1.03	8.43
Marble Hill	Mississippi	.38	.65	.18	.35	.25	....	*	.19	.20	.05	....	....	....	....	.82	.10	.43	.30	....	....	....	....	....	....	....	....	.79	....	....	.69	1.90	7.28
Meramec Park[2]	Meramec	.74	.32	....	....	1.08	....	.06	....	....	.58	....	....	....	....	.25	....	.10	1.67	....	....	T.	.67	.55	....	....	.10	.64	....	....	....	1.17	7.93
Morehouse	Mississippi	....	.77	.20	2.31	....	....	....	....	.41	.53	....	....	....	....	1.57	.05	.07	.24	....	....	....	....	....	....	....	....	.92	....	....	.47	2.51	10.05
New Madrid[2]	....do	....	.24	.14	.26	1.24	....	....	....	....	.54	....	....	....	....	2.15	.26	.11	.56	....	....	T.	....	....	....	....	....	.83	....	....	....	1.53	7.66
Owensville[2]	Gasconade	.41	.25	.19	.24	.68	....	.08	....	....	.50	....	....	....	....	.31	....	.06	1.35	....	....	.12	.67	.52	....	....	.17	.69	.05	.20	.98	.45	‖7.92
Pacific[2]	Meramec	....	.73	....	....	....	....	....	....	....	.70	....	....	....	....	....	....	....	1.70	....	....	....	.75	.84	....	....	....	.89	....	....	.12	.80	6.59
Parma[2]	St. Francis	.05	.85	.19	1.23	.03	....	....	....	....	.77	....	....	....	....	1.28	.51	.17	.42	....	....	....	....	....	....	....	....	1.04	....	....	....	1.90	8.44
Perryville[2]	Mississippi	1.10	.30	.03	1.50	....	....	....	....	....	.80	....	....	....	....	1.35	....		1.25	....	*	.05	....	....	....	....	....	.70	....	....	....	2.50	9.58
Poplar Bluff[2] (A)	Black	.18	.28	.14	.14	.30	....	....	....	....	.35	....	....	....	....	1.24	.27	.11	1.00	....	....	....	....	....	....	....	....	1.04	....	....	....	3.08	8.13
Richwoods[2]	Meramec	....	.50	.18	....	....	.20		.25	....	....	....	....	....	....	.45	....	.03	1.68	....	....	....	.60	.18	....	....	....	.30	....	....	.18	1.05	5.60
Rolla[4]	....do	.02	.48	.01	.33	.55	....	.16	...	.65	....	....	....	....	.67	.55	.19	.89	T.	....	....	.10	.21	T.	....	....	.64	T.	...	.12	.87	.59	7.03
St. Louis:																																	
City Office[1]‡	Mississippi	T.	.29	.03	.24	.22	T.	.28	....	.43	....	....	....	....	.26	....	T.	1.16	.01	....	....	.44	1.42	....	....	....	.66	.03	....	.03	.58	1.38	7.46
Airport[4]‡	Missouri	T.	.14	T.	.36	.41	T	.10	....	.87	....	....	....	T.	.37	....	.02	1.03	.03	....	.01	.74	.82	....	....	....	.40	.01	....	.04	.64	.68	6.67
St. Louis Univ.[3]‡	Mississippi	T.	.23	.04	.30	.16	.02	.12	....	.23	....	....	....	....	.17	....	....	.75	.01	....	....	.27	.48	..	....	....	.37	.01	....	.02	.47	.95	4.60
Washington Univ.[2]‡	....do	.45	.31	.08	....	.80	....	.14	....	.20	.31	....	....	....	.03	.12	...	.01	1.40	....	....	.28	.15	.78	....	....	.19	.45	....	....	.09	1.08	6.87
Salem	Meramec	.61	....	.38	.73	.27	....	.20	....	.54	....	....	....	....	1.48	.10	.30	2.05	.14	....	....	....	.05	.13	....	....	.53	....	....	....	1.05	.99	9.55
Sikeston[2]	Mississippi	....	.36	.23	1.56	....	....	....	....	T.	.71	....	....	....	....	1.09	.11	.02	.25	....	....	....	....	....	....	....	....	.92	T.	....	....	2.34	7.59
Union	Meramec	....	.37	....	.25	.35	....	.10	....	.82	....	....	....	T.	.23	.02	T.	.73	.71	....	....	.97	.31	.36	....	....	.66	.03	....	.06	.44	1.17	7.58
Valley Park[2]	....do	.52	.37	.03	T	.75	T.	.06	....	.08	.46	....	....	....	T.	.24	....	.04	1.29	....	....	.22	.37	1.52	....	....	.13	.44	T.	....	.13	1.00	7.65
Van Buren	Black	.24	.34	.08	.39	T.	..	.10	....	.23	....	....	....	....	.30	.48	.28	.62	.67	....	....	....	....	....	....	....	.81	.08	....	....	2.00	1.42	8.04
Wappapello Dam[2]	St. Francis	.04	1.05	.15	.44	T	T	T.	....	....	.84	....	....	....	....	1.43	.21	.05	.73	....	....	....	.12	....	....	....	....	.84	....	....	....	3.00	8.90
Weingarten[2]	Mississippi	1.95	....	.30	.10	.12	.35	...	.10	....	1.30	....	....	....	...	1.00	.10	....	1.95	....	....	....	.48	....	....	....	....	.20	.02	....	....	2.45	10.42
West Plains[4]	Black	.16	1.06	.35	.36	.07	....	.06	T.	.20	....	....	....	....	1.16	.44	1.53	.99	..	....	T.	....	....	....	.08	....	.63	....	....	....	2.48	.76	10.24
Williamsville[2]	....do	.54	.77	.14	.07	.08	.04	...	.08	....	.81	....	....	....	....	.71	.32	.16	1.13	....	....	....	.03	....	....	....	....	1.19	....	....	....	2.80	8.87
Willow Sprgs. (near)	White	.48	.28	....	1.16	.60	.05	.16	....	.06	....	....	....	....	1.23	.35	.48	.62	1.20	....	....	.04	....	....	.08	....	.47	.30	....	....	2.21	2.30	12.07
Zalma (near)	Mississippi	.42	.55	.15	.58	T.	....	....	....	.61	.01	....	....	....	....	1.04	.02	.51	.24	....	....	....	....	....	....	....	....	.90	....	....	.74	2.10	7.87
Cairo, Ill.[1]‡	....do	.52	.02	.49	1.98	T.	....	....	....	.34	....	....	....	....	.70	.20	.01	.19	.14	....	....	....	....	....	....	....	.92	T.	....	....	1.13	1.02	7.66

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖‖ Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for October 1941

(See precipitation data in daily precipitation table)

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly
Lakeside (Osage Dam)	Evaporation	.292	.071	.179	.207	.270	.223	.036	.231	.261	.071	.146	.185	.215	.213	.176	.170	.088	.114	.145	.192	.201	.211	.158	.158	.122	.095	.138	.200	.123	.004	....	4.895
	Mean temperature	78	82	82	84	78	74	79	84	69	64	66	66	74	74	80	78	74	76	77	78	77	72	72	69	62	58	66	58	62	58	..	72.3
	Wind movement	47	9	16	29	82	52	22	50	53	56	24	26	36	64	60	39	20	21	14	14	20	21	13	14	48	60	35	81	44	60	..	1,130
St. Louis (Washington University)	Evaporation	.275	.074	.140	.084	.234	.224	.106	.224	.244	.170	.171	.187	.195	.183	.232	.221	.038	.075	.166	.178	.199	.216	.124	.146	.135	....	.082	.166	.118	.009	....	4.775
	Mean temperature	80	80	78	82	78	74	82	82	79	64	66	68	72	76	80	74	74	74	74	74	76	74	74	72	60	56	64	66	58	58	..	72.2
	Wind movement	29	5	13	33	40	23	15	30	28	28	19	21	18	38	44	32	4	7	10	7	11	15	4	4	56	24	6	26	72	18	..	680

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for October 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	70	70	73	71	81	79	68	72	70	73	74	79	82	63	65	63	60	70	68	80	82	81	67	66	64	68	47	46	49	58	48	68.0
	Minimum	50	49	66	63	65	61	53	45	46	48	47	51	52	62	50	49	49	52	58	58	62	64	62	49	47	46	42	27	27	39	46	51.1
Chillicothe §§	Maximum	74	69	71	71	79	79	69	72	73	74	76	78	85	65	69	62	60	69	65	76	82	78	66	68	62	70	48	48	48	48	45	67.7
	Minimum	48	52	64	61	62	59	48	43	52	44	49	50	59	56	47	45	48	53	55	59	62	64	60	47	44	47	38	24	31	40	42	50.1
Columbia	Maximum	70	73	78	72	84	85	76	72	71	70	75	77	83	73	65	62	60	69	74	78	82	80	70	66	68	65	61	45	47	47	52	69.4
	Minimum	51	65	70	68	67	70	55	45	52	44	49	53	62	58	53	52	52	58	58	61	65	66	54	52	44	58	35	28	36	45	38	53.7
Fayette	Maximum	70	71	72	72	80	83	72	71	70	71	73	76	83	77	64	63	58	69	72	77	84	79	72	65	66	65	65	46	46	48	50	68.7
	Minimum	47	60	65	62	65	61	51	42	60	40	44	48	53	59	50	49	50	55	56	58	62	63	59	48	43	59	38	25	32	42	43	51.3
Grant City	Maximum	75	67	68	70	69	82	74	70	71	72	75	79	82	76	68	66	58	71	71	72	78	71	64	66	56	70	57	48	47	45	43	67.1
	Minimum	42	55	58	59	56	53	43	40	50	39	46	46	62	52	43	43	45	54	45	59	61	60	51	43	42	53	34	21	33	39	35	47.2
Hannibal	Maximum	69	70	76	71	81	84	76	71	67	68	72	78	81	72	64	61	58	70	70	79	76	81	67	65	70	62	61	45	49	48	52	68.2
	Minimum	51	60	65	65	61	61	53	46	50	44	47	51	60	53	48	46	49	55	55	55	62	62	47	44	45	53	31	26	32	39	40	50.2
Kansas City Airport.	Maximum	74	72	70	72	79	81	69	73	73	74	74	79	85	74	67	60	61	70	66	75	82	76	66	64	62	75	52	45	49	48	45	68.1
	Minimum	49	64	59	59	62	57	51	46	55	49	54	54	67	56	51	50	53	57	60	61	63	65	55	50	57	52	33	29	38	42	34	52.6
Kirksville	Maximum	74	67	74	71	77	75	75	72	68	70	72	77	82	78	68	63	63	68	70	75	75	79	67	63	69	66	64	46	44	46	47	67.9
	Minimum	46	55	64	63	64	55	49	43	55	42	49	50	61	55	46	42	48	51	51	58	60	64	51	43	43	51	37	24	31	42	43	49.5
Lawson	Maximum	73	69	69	70	75	78	75	70	71	71	73	78	83	77	67	62	59	69	63	77	81	76	67	64	60	73	65	46	47	46	43	67.6
	Minimum	49	60	60	57	60	60	47	47	61	44	49	52	63	55	47	46	50	54	57	59	62	64	55	48	49	55	36	23	33	42	41	51.1
Louisiana	Maximum	70	76	82	80	80	86	78	73	76	73	80	78	80	73	75	73	66	63	68	74	80	76	62	66	65	68	65	46	45	48	48	70.1
	Minimum	50	60	68	65	66	65	60	42	50	42	50	58	58	70	50	60	49	58	48	55	46	56	54	35	48	49	40	24	20	36	36	50.6
Macon§§	Maximum	72	70	75	72	80	80	69	72	71	71	73	77	82	64	66	60	59	70	69	79	80	80	66	68	68	65	48	46	49	48	50	67.7
	Minimum	49	51	63	63	64	58	50	43	47	42	49	50	59	48	47	46	48	52	55	58	62	63	62	45	42	50	44	25	28	38	40	49.7
Maryville	Maximum	72	66	65	68	68	83	73	69	71	71	74	76	83	76	67	60	57	71	67	67	77	71	65	64	55	70	60	42	47	44	41	65.8
	Minimum	46	57	57	56	54	53	43	42	55	41	45	48	63	52	46	42	46	49	47	56	61	60	51	45	45	55	33	23	33	39	32	47.6
Mexico §§	Maximum	70	75	77	72	85	84	70	73	70	70	74	80	84	70	64	60	58	69	72	80	79	80	65	66	70	65	46	45	46	48	53	68.4
	Minimum	49	50	64	65	65	63	53	43	45	44	47	48	51	65	49	48	48	50	55	57	60	63	60	48	40	41	45	25	26	38	43	49.6
Moberly	Maximum	70	71	78	79	81	85	86	72	71	70	73	79	85	77	65	62	58	71	75	81	84	84	74	66	69	65	58	45	49	48	51	70.4
	Minimum	51	64	66	63	66	60	51	43	59	43	46	47	61	59	50	47	50	55	56	59	63	64	58	46	41	44	38	26	32	43	45	51.5
Oregon	Maximum	78	70	68	70	70	84	75	72	71	74	77	82	85	79	70	62	58	72	66	75	83	74	69	63	58	73	60	47	49	45	42	68.4
	Minimum	49	57	55	55	54	54	43	46	50	42	50	51	64	62	45	42	48	50	49	57	62	60	53	45	49	55	33	23	34	39	32	48.6
St. Charles §§	Maximum	71	80	83	81	89	90	90	75	65	72	75	81	84	75	67	63	64	68	74	83	82	81	70	69	73	69	51	48	51	53	64	72.3
	Minimum	56	58	66	69	66	70	62	48	57	47	46	52	56	66	57	52	53	53	52	55	60	63	64	48	41	45	50	30	34	40	40	53.4
St. Joseph	Maximum	76	68	68	70	71	83	67	72	73	74	76	79	83	69	70	62	58	73	64	73	81	75	65	61	58	74	45	46	51	45	44	66.9
	Minimum	49	60	57	58	58	54	49	44	51	45	50	52	66	52	48	47	51	54	51	59	61	64	52	50	52	45	30	26	37	40	34	49.9
Trenton	Maximum	75	69	71	71	76	81	75	73	74	74	76	78	84	75	72	63	58	70	65	75	82	77	70	68	64	70	60	50	49	46	47	69.0
	Minimum	46	60	67	60	61	56	47	41	58	43	47	48	61	55	46	45	46	48	51	58	62	63	60	46	45	55	38	24	38	42	41	50.3
Unionville §§	Maximum	76	85	72	72	76	77	68	72	72	71	74	78	80	68	72	62	65	68	69	75	74	79	65	69	70	68	48	48	48	48	51	68.4
	Minimum	45	47	60	58	59	52	44	40	45	42	40	45	48	52	42	30	30	35	48	50	59	60	55	39	40	40	36	20	20	35	30	43.4
Warrenton	Maximum	67	80	79	77	85	86	85	74	67	68	74	78	83	82	65	64	59	68	75	81	78	81	70	65	..	64	62	43	50	48	56	[a]70.5
	Minimum	53	62	69	69	66	68	52	46	55	45	44	51	56	63	53	48	50	57	52	54	63	63	63	48	..	50	41	27	30	43	47	[a]52.9
Keokuk, Iowa	Maximum	72	69	75	72	80	79	75	71	64	67	72	77	79	73	66	62	55	69	68	76	75	80	66	63	70	63	62	44	50	47	51	67.5
	Minimum	51	57	64	63	60	59	53	47	51	45	52	52	61	55	47	47	49	55	56	57	61	65	49	43	46	54	32	27	34	45	45	51.0
Southwestern Division																																	
Clinton	Maximum	73	74	78	72	82	85	78	76	75	76	74	81	86	74	63	62	63	72	78	79	86	77	70	71	73	73	59	48	50	49	49	71.2
	Minimum	50	65	64	54	55	66	52	47	53	43	48	51	62	58	53	50	52	56	57	59	63	61	56	53	55	58	33	27	35	44	37	52.2
Eldon§§	Maximum	69	76	80	71	84	86	73	75	73	71	..	79	84	70	61	58	60	71	74	78	83	82	70	72	71	65	44	46	46	49	48	[a]69.0
	Minimum	53	53	65	67	67	67	55	47	47	45	44	..	44	63	51	51	52	52	54	58	58	59	62	54	53	54	43	28	28	38	45	[a]51.9
Harrisonville§§	Maximum	72	71	70	70	80	81	72	73	71	75	73	74	83	62	64	59	64	70	71	75	84	73	68	67	68	74	48	45	46	47	45	67.6
	Minimum	49	60	65	59	61	62	49	50	57	43	45	50	57	61	50	50	50	51	54	58	61	62	59	50	54	56	37	24	30	40	41	51.5
Jefferson City §§	Maximum	68	75	81	72	85	86	72	72	70	72	74	78	82	69	62	60	60	70	80	80	82	82	71	68	69	65	45	48	47	49	54	69.3
	Minimum	50	52	63	66	65	66	52	44	49	42	46	47	53	60	52	49	50	50	52	54	54	61	59	49	45	45	41	25	25	36	43	49.8
Joplin	Maximum	74	74	77	74	83	82	78	78	78	71	71	74	82	75	60	54	62	73	76	80	84	75	73	68	74	74	60	47	51	50	48	70.3
	Minimum	60	68	71	65	72	71	56	57	59	50	51	56	66	60	53	50	53	56	62	64	69	66	63	60	60	60	36	31	41	48	37	57.1
Lamar§§	Maximum	78	73	81	74	84	83	76	76	77	76	76	80	86	70	60	55	63	75	80	84	87	80	74	70	75	74	44	53	50	50	48	71.4
	Minimum	54	55	63	64	61	64	51	48	54	41	41	45	50	60	53	48	48	50	52	56	59	60	58	52	52	55	37	25	25	39	43	50.4
Lebanon §§	Maximum	73	76	81	79	84	84	72	74	80	70	72	78	81	74	58	55	65	69	80	81	81	80	71	66	71	65	42	49	53	52	66	70.4
	Minimum	55	56	64	67	65	69	54	46	52	41	42	46	53	60	55	49	49	52	52	57	58	62	60	51	52	52	40	26	26	37	45	51.4
Lexington§§	Maximum	75	71	72	71	80	80	71	76	70	74	75	80	84	63	67	62	61	73	67	78	85	78	65	71	64	75	49	49	48	48	45	68.6
	Minimum	51	55	66	61	64	64	52	48	54	48	50	53	57	59	50	49	49	53	57	61	62	65	62	50	51	55	39	27	29	40	43	52.4
Marshall	Maximum	70	72	71	71	81	80	79	69	69	69	74	71	83	79	65	62	69	69	69	76	80	79	71	66	66	66	63	44	47	47	48	68.5
	Minimum	50	62	66	65	63	63	51	45	60	47	50	52	53	53	51	48	52	55	57	61	64	65	61	49	49	56	39	26	32	43	45	52.7
Mountain Grove	Maximum	68	79	80	80	86	82	78	70	82	73	70	75	79	73	65	52	65	75	63	78	83	82	75	67	69	64	61	52	55	54	60	70.8
	Minimum	60	64	67	69	64	71	59	50	60	44	46	51	58	64	49	49	49	52	50	62	60	61	64	52	48	52	38	27	35	45	45	53.7
Neosho	Maximum	82	75	82	80	87	85	86	82	80	72	73	79	84	79	66	57	64	78	82	81	85	80	76	72	85	75	73	52	65	53	49	74.8
	Minimum	60	66	62	67	63	66	55	50	67	41	43	48	63	66	57	49	52	53	57	60	62	62	62	61	56	62	40	29	35	43	43	54.8
Nevada	Maximum	74	73	81	73	83	83	78	76	75	76	74	78	85	78	61	58	63	74	80	80	86	74	71	68	75	75	72	51	48	48	48	71.6
	Minimum	53	64	64	64	63	66	51	49	62	41	44	49	63	57	54	50	51	53	57	61	61	61	57	53	51	59	33	26	35	44	35	52.6
Sedalia	Maximum	71	72	76	73	80	81	80	71	70	70	72	77	83	80	64	62	61	69	75	75	82	80	70	67	68	68	66	46	48	48	48	69.5
	Minimum	50	64	67	65	65	67	52	47	61	44	50	51	64	60	52	50	51	57	53	62	64	64	60	50	55	58	40	25	34	43	45	53.9
Springfield	Maximum	73	75	79	78	82	83	73	74	78	69	72	75	82	76	62	54	61	70	75	80	82	79	73	67	70	65	58	50	52	51	52	70.0
	Minimum	60	66	68	67	68	71	51	52	55	42	45	50	60	62	52	51	52	54	56	60	62	63	62	55	52	57	32	27	38	47	36	54.0
Warrensburg	Maximum	73	72	71	69	75	77	76	74	68	74	75	79	83	77	64	59	64	69	76	73	84	78	68	68	69	70	70	47	47	47	47	69.1
	Minimum	51	63	65	63	62	64	51	56	62	44	47	53	62	56	51	45	51	56	58	61	64	63	60	51	55	58	38	26	32	43	44	53.4
Southeastern Division																																	
Arcadia §§	Maximum	70	80	85	83	86	87	78	77	81	74	73	79	81	78	61	56	64	70	77	81	84	83	78	74	74	72	57	53	60	56	66	73.6
	Minimum	59	59	65	68	73	71	65	44	49	46	37	39	48	58	59	52	52	54	49	49	56	54	56	51	40	42	53	29	29	34	46	51.2
Birch Tree(near)	Maximum	72	80	81	83	85	85	..	..	..	..	86	76	80	81	64	51	62	68	76	80	84	81	76	68	72	66	63	52	62	54	65	[d]72.3
	Minimum	60	63	60	63	75	63	..	..	..	..	37	46	53	63	51	50	50	54	48	55	56	58	58	51	56	50	40	27	32	45	53	[d]52.5
Caruthersville§§	Maximum	87	85	82	86	88	90	90	80	88	71	73	76	82	82	69	60	80	70	75	83	83	82	82	70	70	70	64	55	62	66	72	76.5
	Minimum	65	66	67	72	73	73	70	62	62	53	47	46	50	54	64	54	54	52	53	54	58	60	60	52	47	47	53	43	38	44	54	56.4
Crystal City	Maximum	65	80	83	87	87	89	78	72	78	70	73	78	81	80	63	63	64	71	74	80	76	82	72	62	69	71	65	49	53	52	66	72.0
	Minimum	53	55	67	66	66	67	53	43	52	40	36	42	47	63	54	42	54	56	49	50	58	56	56	43	38	44	38	29	31	43	46	49.6
Doniphan	Maximum	78	87	87	86	88	90	82	76	89	73	76	80	84	85	75	58	67	72	76	72	79	85	81	72	73	71	65	55	65	56	70	75.9
	Minimum	61	64	70	71	75	71	61	53	56	45	38	39	45	64	55	53	54	55	46	52	55	55	51	55	44	49	45	31	33	45	55	53.1
Farmington	Maximum	69	79	83	83	84	87	79	73	82	69	71	78	78	77	79	62	65	69	74	78	76	81	79	66	68	70	62	48	56	60	61	72.4
	Minimum	63	65	70	70	71	71	64	55	56	42	40	45	59	66	55	52	54	63	55	59	63	60	65	50	41	48	41	30	32	46	51	54.9
Jackson	Maximum	72	82	81	82	86	88	86	74	84	72	77	78	80	79	76	60	75	68	75	78	80	82	76	66	68	73	69	49	58	57	69	74.2
	Minimum	62	65	68	70	72	73	70	49	57	40	41	42	46	64	56	54	53	56	50	54	58	57	65	50	40	56	46	34	34	45	55	54.3
Poplar Bluff	Maximum	89	87	87	87	89	91	81	76	90	73	79	80	84	85	74	62	74	67	77	77	79	89	82	74	74	75	64	57	64	59	70	77.3
	Minimum	63	66	70	73	76	72	72	51	60	52	41	48	45	65	54	54	54	56	50	49	53	54	64	51	44	50	57	31	33	41	48	54.8
Rolla	Maximum	69	76	78	79	81	85	72	72	80	68	72	76	80	74	60	55	64	65	73	80	79	79	67	69	69	61	61	45	47	52	58	69.3
	Minimum	57	64	69	70	65	72	54	51	53	45	45	52	59	60	55	51	51	54	52	58	62	62	56	52	49	54	33	28	34	45	38	53.2
St. Louis	Maximum	64	79	81	82	88	87	76	72	68	67	73	77	81	75	65	63	65	68	73	80	78	81	71	63	67	67	62	47	51	53	66	70.6
	Minimum	59	62	70	72	66	73	61	55	57	52	52	56	60	62	59	53	55	61	57	59	64	66	53	51	50	51	39	32	38	47	44	56.0
Salem	Maximum	70	77	81	80	87	86	76	72	84	68	72	76	80	79	67	56	60	64	75	81	78	79	71	69	70	63	60	48	54	55	66	71.0
	Minimum	58	65	68	69	65	72	60	47	59	43	42	46	56	64	52	50	50	55	48	57	60	61	61	53	47	52	39	28	33	43	46	53.2
Sikeston §§	Maximum	82	85	87	87	88	92	85	80	89	73	77	80	84	82	66	62	79	72	76	84	85	87	80	72	74	74	64	53	62	64	71	77.3
	Minimum	62	65	68	70	72	72	70	52	59	49	41	45	51	60	64	53	54	57	52	56	58	60	62	50	42	47	56	39	35	37	51	55.1
Union	Maximum	65	79	83	82	88	90	83	76	73	74	76	80	84	76	65	61	61	71	77	81	84	84	71	69	75	70	65	48	48	51	62	72.6
	Minimum	56	63	69	67	67	67	61	44	54	42	38	44	52	65	57	52	52	58	47	52	61	59	63	50	39	47	44	28	30	45	49	52.3
West Plains	Maximum	72	81	80	82	85	87	77	73	86	71	73	76	81	83	66	56	63	69	75	80	84	82	78	67	72	69	63	53	60	57	65	73.1
	Minimum	60	65	69	70	70	71	52	52	60	44	39	43	53	66	54	49	50	52	48	56	57	60	61	53	47	53	36	30	34	47	41	53.0
Cairo, Ill.	Maximum	81	82	81	85	86	88	80	76	86	70	72	76	81	80	67	61	78	68	73	82	81	83	77	67	70	71	65	51	62	62	71	74.6
	Minimum	64	68	70	72	77	75	64	56	63	53	49	53	57	66	54	56	56	58	55	58	62	62	60	50	49	53	43	40	37	49	51	57.4

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 11-28-41—1150.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLV NOVEMBER 1941 No. 11

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GENERAL SUMMARY

Wet weather conditions that dominated October continued the first week of November, after which an ideal type of mild, open weather prevailed.

The past month was the eighth consecutive month with temperature averaging above normal, and it was the warmest November since 1938. Temperature distribution was irregular this month, the Southeastern Division having a slight deficiency, the Northern Division an excess of nearly 2°, while the Southwestern Division was slightly above normal. The 16th and 17th were the warmest days generally, while the 11th and 24th were the coldest. Warm periods were 13-19th and 25-30th, with cold periods 5-12th and 22d-24th. In the more southern portion of the Southeastern Division killing frost did not occur until the second week of November.

Precipitation was slightly below normal for the month, and distribution was fairly uniform. The periods of precipitation were 1st-6th, 19-20th, 22-23d, and the last day of the month. Snowfall was general on the 22-23d, except in the more southern portions of the State. Amounts were mostly light to moderate, except locally in the east-central portion, where they ranged up to 5 and 6 inches. This soon melted, and the ground was not covered for more than two or three days, even where the snowfall was heaviest.

The let-up in the unprecedented late fall precipitation and the prevailing mild temperatures, were very favorable for all interests. Some wheat was sown during the month, and plowing was possible much of the time due to the ground not being frozen, although it was too wet for this activity during the first half of the month in most of the State. Grass and fall sown grains made good growth throughout the month, and afforded excellent pasturage, conserving much feed. Most of the corn and other feeds were taken out of the fields, but there was much damage by the preceding wet spell in October. At the end of the month the more hardy garden truck was still green in central and southern sections.—M. R. W.

TEMPERATURE

The monthly mean for the State, 92 stations reporting, was 45.5°, or 1.2° warmer than normal. The highest monthly mean was 50.0° at Mount Vernon, and the lowest monthly mean was 41.2° at Unionville. The highest recorded was 85° at Lebanon and Ozark Beach on the 16th and at Mount Vernon on the 17th, and the lowest was 10° at Unionville on the 24th. The greatest daily range was 52° at Ozark Beach on the 16th.

PRECIPITATION

The average for the State, 159 stations reporting, was 2.29 inches, or 0.39 inch less than normal. The greatest local monthly amount was 4.57 inches at Washington University (St. Louis), and the least local monthly amount was 0.63 inch at Grant City. The greatest amount in any twenty-four hours was 2.00 inches at LaBelle, on the 6th. The average number of days with 0.01 inch or more was 7.

Snowfall averaged 1.9 inches, or 0.9 inch more than normal. The greatest monthly amount was 8.0 inches at King City.

MISCELLANEOUS PHENOMENA

Floods.—In Black River 2-3d. In Grand River 1st-6th. In Meramec River 2-3d. In Mississippi River at Keokuk, Ia., on 12th; at Hannibal 2d-16th; at Grafton, Ill., 4-10th; at Chester, Ill., 4-11th; at Cape Girardeau 9-10th. In Missouri River at Hermann and below continued from October to November 10th. In Osage River continued from October to November 11th. In St. Francis River at Fisk, 3d-9th.

(Continued on page 61)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.08*	30.52*	24	29.61*	1	7.3	20	nw.	6	85*	65*	71*	61
Kan. C. Airport	30.08	30.47	24	29.71	19	11.4	31	nw	7	80	37	67	55
St. Joseph	30.07*	30.44*	24	29.68*	19	8.8	24	w.	20	94*	71*	80*	49
St. Louis	30.08*	30.56*	24	29.60*	6	11.4	34	sw.	19	77	59	62	54
Springfield	30.10	30.54	24	29.78	6	10.2	30	s.	19	88	63	70	57
Cairo, Ill.	30.12§	30.60	24	29.59	6	6.9	25	sw.	1	83	62	..	52
Keokuk, Iowa	30.05§	30.51	24	29.41	1	8.4	26	sw.	19	78	61	..	49

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	41.6	87	15	3.39	2.57	2.95	4.64	....	7	..	..	..
1889	39.9	76	6	3.52	3.16	3.12	4.29	0.6	7	..	..	..
1890	46.5	80	14	2.38	1.96	2.48	2.70	T.	5	..	..	..
1891	39.6	82	−7	4.14	2.67	3.24	6.51	....	8	..	..	..
1892	40.1	79	9	2.75	2.17	2.14	3.95	1.0	6	11	7	12
1893	40.9	79	−1	1.70	1.32	1.60	2.17	0.3	4	14	9	7
1894	41.0	80	3	1.56	1.59	1.71	1.39	T.	4	16	9	6
1895	41.6	82	−4	3.60	2.62	3.42	4.76	3.2	8	10	7	13
1896	42.3	82	−5	2.43	1.47	2.30	3.53	0.2	6	11	7	12
1897	43.4	82	−3	2.63	1.92	2.02	3.96	T.	6	13	8	9
1898	39.9	79	−8	2.32	2.03	2.43	2.50	2.3	6	14	8	8
1899	49.5	82	16	2.02	1.38	2.00	2.67	0.2	7	11	9	10
1900	43.7	84	7	2.99	1.52	2.71	4.75	0.2	6	15	7	8
1901	43.6	84	9	1.48	0.99	1.63	1.82	0.3	4	17	7	6
1902	50.1	85	18	3.73	3.05	3.64	4.51	0.4	9	8	9	13
1903	40.9	79	2	1.27	1.24	1.09	1.48	1.1	5	13	8	9
1904	46.3	83	11	0.22	0.18	0.24	0.24	T.	2	21	5	4
1905	45.8	83	2	1.87	2.36	1.35	1.89	T.	6	18	6	6
1906	42.5	88	−3	3.56	2.55	2.68	5.44	5.0	8	12	6	12
1907	43.8	88	11	2.24	1.39	1.91	3.43	T.	4	19	4	7
1908	47.6	87	9	3.90	2.70	4.67	4.33	0.2	8	15	7	8
1909	53.6	87	11	4.32	3.92	4.98	4.05	0.4	8	12	7	11
1910	42.0	83	11	0.35	0.31	0.22	0.52	0.1	3	15	8	7
1911	39.1	83	−3	2.63	2.07	2.78	3.04	1.1	7	13	6	11
1912	45.9	85	12	1.50	1.46	1.31	1.73	0.1	3	20	5	5
1913	51.7	80	11	2.71	2.61	2.69	2.83	T.	7	10	8	12
1914	48.6	89	2	0.69	0.36	0.64	1.08	0.1	3	19	6	5
1915	49.5	87	12	2.83	2.30	2.78	3.42	0.1	5	16	7	7
1916	46.9	85	3	2.46	2.25	2.63	2.51	0.1	4	19	4	7
1917	46.1	80	8	1.23	0.10	1.61	1.98	T.	3	14	5	11
1918	44.9	85	12	3.26	2.85	4.14	2.78	1.2	6	15	4	11
1919	42.2	78	2	3.57	3.06	3.19	4.45	1.0	6	15	5	10
1920	40.9	82	6	1.06	1.64	0.82	0.73	T.	6	12	6	12
1921	45.6	84	10	3.11	0.89	1.59	6.85	0.4	5	13	7	10
1922	47.8	84	15	3.68	3.70	3.97	3.38	T.	7	16	6	8
1923	45.1	79	14	2.25	1.39	2.79	2.57	3.0	6	15	6	9
1924	46.7	88	4	1.78	1.16	2.08	2.09	0.5	4	15	8	7
1925	42.8	80	−2	3.05	1.74	2.78	4.63	2.0	6	16	6	8
1926	39.6	78	0	3.01	2.13	2.86	4.04	4.3	7	11	7	12
1927	46.8	89	12	3.66	2.07	3.78	5.13	0.9	7	6	9	15
1928	44.6	79	9	5.02	5.91	4.88	4.26	0.5	10	13	4	13
1929	39.0	78	−8	1.46	1.40	1.00	1.98	2.1	6	11	8	11
1930	45.8	83	8	2.93	2.94	3.28	2.56	T.	5	18	5	7
1931	52.2	87	17	5.42	5.58	5.32	5.35	1.4	11	10	5	15
1932	39.5	75	−9	1.87	1.55	2.11	1.95	4.5	5	16	5	9
1933	45.9	83	7	0.93	0.47	0.96	1.37	0.2	4	16	6	8
1934	48.5	84	16	5.71	5.62	5.84	5.67	4.6	10	14	5	11
1935	42.2	82	10	4.16	4.52	4.69	3.28	0.1	10	8	4	18
1936	42.2	79	0	1.89	1.15	2.04	2.49	1.4	3	21	4	5
1937	41.0	90	−7	1.85	1.58	1.87	2.11	4.1	7	15	6	9
1938	45.9	89	2	4.28	4.01	4.64	4.20	1.3	6	17	5	8
1939	43.5	78	12	2.58	2.36	2.97	2.42	0.0	7	13	6	11
1940	42.2	83	−2	3.46	2.77	3.31	4.29	1.2	9	12	7	11
1941	45.5	85	10	2.29	2.00	2.32	2.55	1.9	7	14	5	11
Period	**44.3**	**90**	**−9**	**2.68**	**2.20**	**2.63**	**3.21**	**1.0**	**6**	**14**	**6**	**10**

Climatological Data for November 1941

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr. Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Number of days With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Northern Division																					
Albany	Gentry	930	0	44.3	......	75	17	12	24	37	12	1.09	−0.62	0.50	1.0	7	17	2	11	s.	Curtis E. Grace
Bethany	Harrison	916	46	43.6	+ 0.8	75	17	11	24	35	48	1.30	−0.74	0.52	2.0	6	15	5	10	nw.	A. S. Cumming
Brookfield	Linn	767	0	44.1	......	78	17	13	24	36	0	1.34	......	0.41	1.8	6	13	8	9	nw.	E. W. Patrick
Brunswick	Chariton	652	60	44.0	+ 2 4	75	17	19	24†	35	62	2.17	−0.02	0.96	3.0	5	17	1	12	sw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	483	3	44.0	......	73	18	12	24	31	11	2.77	+0.06	1.05	5.0	5	13	8	9	s.	Lockmaster
Chillicothe	Livingston	779	32	43.8	+ 2.5	78	17	11	24	39	35	2.26	+0.14	1.02	2.5	7	17	6	7	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	42	45.0	+ 1.6	76	17	14	24	36	32	1.91	−0.07	0.57	5.0	7	13	5	12	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	51	45.7	+ 1.6	78	17	20	24	31	51	2.44	+0.24	0.96	3.5	6	12	7	11	s	U. S. Weather Bureau
Conception	Nodaway	980	52	43.4	+ 2.0	76	17	13	24	32	57	0.99	−0.75	0.32	2.5	5	11	6	13	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	21	....	......	..	..	..	..	..	30	....	......	....	....	..	..	..	..	......	Fred L. Stiff
Elsberry	Lincoln	449	10	45.2	+ 1.8	78	17	14	24	35	10	2.88	+0.06	1.03	2.0	7	13	8	9	nw.	Ray E. Mills
Fayette	Howard	760	61	44.6	+ 2.4	77	17	14	24	33	58	1.67	−0.43	0.72	2.5	8	16	2	12	s.	Irvin E. Schnell
Fulton	Callaway	818	53	....	......	..	..	..	..	..	49	....	......	....	....	..	..	..	..	......	J. Roy Jackson
Grant City	Worth	1,134	37	42.5	+ 0.6	75	17	11	24	36	49	0.63	−1.22	0.30	1.0	5	10	8	12	sw.	Howard Rybolt
Hannibal	Marion	759	49	44.0	+ 1.9	76	17	15	24	29	57	2.19	+0.13	0.90	4.0	3	10	5	15	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	52	46.2	+ 2.5	77	16	21	24	35	52	0.94	−0.89	0.36	2.0	8	12	4	14	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	3	45.8	......	76	16	19	24	37	3	1.10	......	0.32	0.8	7	13	3	14	sw.	University of Kansas City
Kidder	Caldwell	1,020	49	42.8	+ 1.0	74	17	15	24	32	53	2.27	+0.12	1.41	2.0	6	12	7	11	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	52	43.8	+ 3.2	76	17	14	24	33	59	1.94	−0.18	0.60	6.0	8	14	8	8	nw.	Howard Coons
Lawson	Ray	1,070	3	44.2	......	74	16†	16	24	30	3	1.21	......	0.52	3.0	7	12	4	14	nw.	Elmer E. Lamb
Louisiana	Pike	469	47	44.7	+ 0.6	77	17	15	24	31	60	2.23	−0.23	1.00	2.0	5	16	6	8	sw.	Stark Bro's Nurseries
Macon	Macon	875	42	44.0	+ 1.2	75	17	16	24	32	48	2.16	−0.03	0.92	3.0	6	13	8	9	nw.	Mrs. W. C. Brown
Maryville	Nodaway	1,169	51	41.7	+ 2.3	73	17	11	23	32	47	1.22	−0.70	0.50	2.8	5	12	4	14	nw.	R. B. Montgomery
Memphis	Scotland	787	2	42.2	......	77	17	11	24	36	11	2.10	−0.89	0.91	3.0	6	15	5	10	sw.	John W. Alexander
Mexico	Audrain	800	52	43.8	+ 0.9	79	19	11	24	36	63	3.53	+1.30	1.20	5.0	8	..	..	..	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	4	45.8	......	79	17	15	24	32	4	1.23	......	0.58	2.5	3	17	3	10	sw	Beverly Coomes
Oregon	Holt	1,048	85	44.0	+ 3.5	75	17	15	24	33	85	1.84	−0.64	0.32	5.0	5	17	3	10	sw.	Miss Mina Wright
St. Charles	St. Charles	520	53	45.9	+ 0.6	79	17	12	24	38	63	3.64	+1.53	1.12	5.5	7	18	5	7	s.	Martin L. Comann
St. Joseph	Buchanan	957	31	44.7	+ 3.2	74	16	20	24	33	69	0.96	−0.62	0.37	3.1	6	11	5	14	s.	U. S Weather Bureau
Saverton, Lock No. 22.	Ralls	472	3	44.8	......	76	17	18	24	32	3	2.39	......	0.77	3.0	5	15	9	6	w.	Lockmaster
Shelbina	Shelby	779	0	44.0	......	77	17	16	23	33	48	1.77	−0.33	0.60	3.5	6	12	10	8	sw.	Guyman Hatcher
Steffenville	Lewis	650	43	42.4	− 1.1	72	17	12	24	38	48	2.56	+0.37	0.81	3.0	5	14	8	8	s.	Frank Hall
Tarkio	Atchison	916	38	41.8	+ 1.7	73	17	13	24	40	47	1.41	−0.33	0.59	2.0	6	14	5	11	sw.	Albert Volker
Trenton	Grundy	822	45	45.0	+ 2.8	75	17	17	24	36	46	1.47	−0.65	0.45	2.5	7	12	10	8	s.	W. H. Estes
Unionville	Putnam	1,062	48	41.2	+ 0.9	77	17	10	24	40	48	2.58	+0.38	1.35	1.0	6	18	2	10	sw.	John H. Schick
Warrenton	Warren	816	59	46.6	+ 3.4	78	17	14	24	33	51	2.21	−0.41	0.75	6.0	9	14	5	11	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	69	44.6	+ 3.5	75	17	17	23	30	69	1.32	−0.62	0.49	1.1	5	11	5	14	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**44.1**	**+ 1.8**	**79**	**17†**	**10**	**24**	**40**	..	**2.00**	**−0.20**	**2.00**	**3.0**	**6**	**14**	**5**	**11**	**sw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	37	46.8	− 2.5	82	16	16	24	43	42	1.79	−1.56	0.74	T.	7	16	7	7	w.	E. S. Taylor
Appleton City	St. Clair	813	46	45.2	− 0.8	80	16	17	24	36	49	2.01	−0.29	0.75	1.0	7	18	0	12	sw.	Rolla Brown
Bolivar	Polk	1,071	38	47.0	+ 0.2	79	16	19	24	32	46	2.56	−0.02	1.09	3.0	7	16	6	8	sw.	Southwest Baptist College
Boonville	Cooper	650	3	44.5	......	77	17	17	24	33	64	3.00	+0.79	0.98	2 8	7	16	2	12	w.	Boonville Water Dept.
Carthage	Jasper	962	7	47.2	......	82	16	19	24	39	17	2.33	......	0.95	1.5	7	15	5	10	s.	Carthage W. and E. Plant
Clinton	Henry	786	48	45.6	− 1.4	80	16	19	24	37	54	2.00	−0.16	0.72	T.	9	7	14	9	sw.	U. S. Weather Bureau
Eldon	Miller	934	46	4 .6[m]	+ 3.8	79	16†	15	24	41	42	1.91	−0.54	1.05	3.0¶	7	..	..	..	......	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	0	46.8	......	79	15	19	24	47	0	2.25	......	0.56	2.4	14	21	4	5	sw.	U. S. Army Medical Corps
Harrisonville	Cass	904	63	44.0	+ 1.5	76	16	12	24†	41	66	1.50	−0.64	0.55	2.0	6	13	1	16	nw.	John H. Patterson
Jefferson City	Cole	557	51	43.8	− 0.3	78	17	17	24	42	59	2.78	+0.39	1.20	4.5	7	14	4	12	sw.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	19	47.7	− 0.6	80	16	23	24	29	36	1.70	−1.07	0.70	...	5	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	10	46.1	+ 1.6	81	16	21	24	45	10	2.36	−1.35	1.03	...	10	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	53	44.2	− 2.1	82	16	19	10†	45	60	3.28	+0.75	0.94	T.	8	16	4	10	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	53	45.0	− 0.6	85	16	16	24	44	54	2.11	−0.53	0.90	2.6	12	14	3	13	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	56	45.5	+ 1.3	78	16	20	24	34	57	3.01	+0.89	1.07	3.5¶	7	15	6	9	nw.	Miss Carrie Loomis
Lockwood	Dade	1,078	35	47.8	+ 0.8	82	16	20	24	36	45	2.88	+0.04	0.87	5.0	8	17	2	11	sw.	Hubert A. Nieman
Marshall	Saline	779	54	46.4	+ 1.2	78	17	19	24	38	51	1.27	−1.05	0.58	2.0	5	18	8	4	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	40	46.6	+ 0.7	76	16	19	24	37	44	2.28	−0.67	0.74	0.5¶	12	13	8	9	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	29	50.0[g]	+ 4.2	85	17	..	..	40	41	3.32	+0.38	0.85	1.5¶	9	15	1	14	nw.	G. H. Boswell
Neosho	Newton	1,011	54	48.4	+ 1.1	83	16	19	24	41	58	2.24	−1.06	1.25	T.	6	16	7	7	s.	U. S. Fisheries Station
Nevada	Vernon	862	48	46.0	+ 1.2	82	16	17	24	37	49	2.22	+0.07	0.74	0.5	8	16	3	11	sw.	Henry Kraft
Ozark Beach	Taney	700	1	46.9	......	85	16	22	24	52	16	2.87	+0.10	0.90	T. ¶	11	16[a]	2[a]	11[a]	......	V. Smith
Sedalia	Pettis	910	28	46.2	+ 2.9	78	17	20	24	31	30	1.96	+0.34	0.77	1.5	9	14	4	12	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	40	46.9	− 0.4	79	16	18	24	34	38	3.25	+0.16	1.50	T.	6	18	7	5	sw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	35	44.5	− 1.4	72	16†	16	24	33	35	2.56	−0.33	0.62	1.5	9	17	4	9	s	A. L. Hailey
Springfield	Greene	1,301	53	45.0	− 0.7	76	16	17	24	34	53	2.50	−0.29	0.75	2.3	8	12	5	13	s.	U. S. Weather Bureau
Sweet Springs	Saline	709	0	45.7	......	79	17	18	24	39	0	1.65	......	0.66	3.4	8	17	5	8	w.	H. F. Nelson
Warrensburg	Johnson	878	54	45.2	+ 0.2	77	17	19	24	32	61	1.19	−1.03	0.56	3.0	6	12	8	10	sw.	E. A. Markey
Warsaw	Benton	687	40	46.4	− 0.8	80	16	18	24	42	46	2.46	−0.18	1.05	3.0	8	13	8	9	nw.	Everett Martin
Wasola	Ozark	1,294	0	47.2	......	78	16	20	24	33	1	2.81	......	1.10	0.2¶	9	18	3	9	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**46.2**	**+ 0.4**	**85**	**16†**	**12**	**24†**	**52**	..	**2.32**	**−0.31**	**1.50**	**1.8**	**8**	**15**	**5**	**10**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	4	44.8	......	77	17	20	11	41	4	2.52	......	0.83	T.	8	13	6	11	sw.	U. S. Weather Bureau
Arcadia	Iron	926	60	45.0	+ 1.1	78	16†	19	11	47	63	3.95	+0.83	1.08	0.2¶	7	13	5	12	w.	Arcadia College
Birch Tree(near)	Shannon	1,000	46	46.1	− 0.5	80	16	20	12†	44	47	3.43	+0.27	1.31	0	8	16	3	11	s.	V. H. Kirkendall
Campbell	Dunklin	314	15	48.1	+ 0.5	78	17	24	11†	38	15	1.18	−2.52	0.56	0	8	15	5	10	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	45	46.8	− 3.6	76	17	25	11†	40	49	1.78	−2.07	0.55	T.	6	17	3	10	sw.	Victor T. Malloure
Crystal City	Jefferson	420	7	43.8	......	78	17	18	24†	45	7	2.81	......	1.15	T.	7	11	6	13	e.	Frank Magre
Doniphan	Ripley	344	37	46.4	− 0.9	80	16†	19	11	48	37	2.27	−1.15	0.71	0	8	21	0	9	s.	Boyce Lackey
Farmington	St. Francois	896	30	44.3	− 0.5	70	16†	20	11	33	44	2.77	−0.05	0.89	T.	9	17	1.	12	w.	F. M. Karsch
Goodland	Iron	1,000	48	44.4	− 0.3	75	17	19	11†	43	48	2.53	−0.19	0.81	2.0¶	6	16	3	11	n.	F. M. Adams
Greenville	Wayne	381	32	46.5	+ 1.1	79	16	19	11	46	34	2.53	−0.83	0.90	T.	8	15	5	10	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	50	46.0	− 0.6	74	17	22	11	36	51	2.53	−0.85	0.75	T.	7	14	5	11	n.	John G. Putz
Koshkonong	Oregon	958	40	47.8	− 1.2	76	16†	24	25	32	41	2.89	−0.37	0.82	T.	9	15	7	8	sw.	R. M. Hitt

Continued on next page

Climatological Data for November 1941—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—	*Concluded*																				
Licking(near)	Texas	1,170	4	46.0	......	78	16	18	21	39	4	2.13	......	0.97	1.0	9	19	4	7	nw.	U. S. Forestry Service
Marble Hill	Bollinger	470	46	46.1	+ 0.9	76	17	18	11	41	48	2.43	−1.12	0.90	T.	7	10	11	9	se.	R. A. DeWitt
Poplar Bluff	Butler	339	36	46.4	− 1.3	79	18	21	11	42	37	2.58	−0.90	0.64	0	6	8	11	11	w.	B. R. Wheetley
Rolla	Phelps	1,202	41	45.8	+ 0.8	77	16	18	24	31	57	3.05	+0.37	1.76	1.0	7	9	8	13	sw.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	104	47.2	+ 1.8	77	17	23	24	26	104	3.05	+0.22	1.40	3.0	8	11	4	12	sw.	**Section Center**
St. Louis Airport	St. Louis	556	4	45.4	......	78	17	15	24	32	10	2.78	......	1.07	5.3	7	13	5	12	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	29	46.6	+ 0.9	76	17	22	24	25	29	2.01	−0.53	0.61	3.6	10	16	2	12	w	St. Louis University
Salem	Dent	1,173	37	45.8	0.3	77	16	22	21	41	40	2.41	−0.23	0.70	T.	8	19	6	5	s.	E. E. Martin
Sikeston	Scott	318	34	47.0	− 0.2	77	17	22	11	40	41	2.93	−0.63	1.00	T.	6	11	12	7	n.	Mrs. Hazelle P. Young
Union	Franklin	520	3	46.8^{a}	......	80	17	16	24	41	24	2.72	−0.03	1.17	6.0	6	16	1	13	sw.	Robert Mueller
Wappapello Dam	Butler	475	2	47.4	......	76	17	22	25	37	2	2.61	......	0.74	T.	6	17	5	8	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	0	45.4	......	75	16	20	11	41	1	3.22	......	1.12	T.	7	..	..	..	s.	John A. Kettinger
West Plains	Howell	1,005	4	45.2	......	78	16	20	25	42	4	2.95	......	1.05	T.	9	11	9	10	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	0	45.6	......	80	16	20	12†	45	34	2.50	−0.84	0.77	T.	8	15	1	14	nw.	G. W. Yarnell
Cairo, Ill.	Alexander, Ill.	315	69	48.0	+ 0.7	76	17	27	25	30	70	1.42	−2.26	0.59	T.	6	12	6	12	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**46.1**	**− 0.1**	**80**	**16†**	**15**	**24**	**48**	..	**2.55**	**−0.66**	**1.76**	**0.8**	**7**	**14**	**5**	**11**	**s**	
State means	**and extremes**	.....	..	**45.5**	**+ 1.2**	**85**	**16†**	**10**	**24**	**52**	..	**2.29**	**−0.39**	**2.00**	**1.9**	**7**	**14**	**5**	**11**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters ^{a}, ^{b}, ^{c}, appearing in the table indicate number of days missing; for example, ^{b}, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Bragg City, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, Weingarten, and Willow Springs.

Continued from page 59

Fogs.—Dense, 1st, 4th, 5th, 6th, 9th, 14th, 15th, 16th, 19th, 23d, 25th, 26th.

Frost.—Killing, 2d, 7th, 8th, 10th, 11th, 12th. (Where killing had not previously occurred).

Glaze.—7th.

Halos.—Solar, 13th, 18th; lunar, 1st, 2d, 3d, 4th, 5th, 29th, 30th.

Sleet.—5th, 6th, 7th, 8th, 10th, 22d, 23d, 24th.

Thunderstorms.—Local, 1st, 5th, 18th, 19th, 22d, 23d.

Windstorms.—No damaging winds reported.

ERRATA

October 1941, page 54: Greatest precipitation in 24 hours at Advance should be 2.58; mean temperature at Columbia should be 61.4, departure should be +4.5. Page 55: mean temperature at West Plains should be 63.1, and greatest precipitation in 24 hours at West Plains should be 2.86. Page 56: Precipitation on 7th at Roby should be .18; total should be 7.22. Page 57: Precipitation on 17th at Rolla should be .90, total should be 7.04. Page 58: Minimum temperature at Columbia on 7th should be 51, mean minimum should be 53.5; maximum temperature at Rolla on 7th and 26th should be 76 and 63 respectively, mean maximum should be 69.5; minimum temperature on 2d at Rolla should be 65, mean minimum should be 53.3; minimum temperature at West Plains on 1st, 1h n 7th should be 61, 55, and 52 respectively, mean minimum should be 53.1.

Daily Precipitation for November 1941

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Northern Division																																	
Albany	Grand		.21			.21	.03	T.												.50			.10	.03							.01		1.09
Amity[2]	do	1.93		T.	.14		.06	T.	T.	T.	T.				T.					.46	.12			.30									3.01
Bethany	do	.26				*	.31	T.												.52			*	.21									1.30
Bowling Green[2]	Mississippi	.31					.48														.73			.65									2.17
Brookfield	Grand					.32	.13	T.												.33			*	.41								.15	1.34
Brunswick[2]	do	.96				.28	.12	T.													.21			.60							T.		2.17
Canton, Lock No. 20[2]	Mississippi	.81				.04	1.01	T.	T.											T	.35			.56							T.		2.77
Centralia[2]	do						.60														.85		*	.80									2.25
Chillicothe[2] (A)	Grand	1.02	.01			.31	.14	T.	T.												.19			.31							.28		2.26
Clifton Hill	Chariton	.03				.32	.21	T.		T.										.57	.05		.23	.50									1.91
Columbia[1]‡	Missouri		T.	.11	T.	.41	.02	T.	T.	T.										.96			.93	T.						T.	.01		2.44
Conception	do	.20				.23		T.												.32			.15	.09							T.		0.99
Edgerton	do	.20		.04		.13	.01	T.	T	T.																							‖‖‖
Edina[2]	Mississippi	1.00	04			.04	.45														.24			.52							T.		2.29
Elsberry	do					.21	1.03	T.							.08					.47	.29		.40	.40									2.88
Farber[2]	do	*				*	.60														.85		*	.92									‖2.37
Fayette	Missouri			.06		.26	.16	T.	T.	T.										*	.72		.28	.17	T.					T.	.02		1.67
Fulton[2]	do																																....
Gallatin[2]	Grand	1.47				.20		T.													.33			.33									2.33
Gorin	Mississippi	.15				.53	.18	T.	T	T.										.42			*	.62									1.90
Grant City	Graud	.30				.20	T.													.04			.04	.05									0.63
Hannibal[3] (A)	Mississippi					.71		T.	T.											.90			.58	T.						T.	T.		2.19
Hermann[2]	Missouri	.29		.04	.30		.61	.02							.02						.35			1.07									2.70
Kahoka[2]	Mississippi	.38					.89	T.	T.		T.										.61			.30							.16		2.34
Kansas City Airport[1]‡	Missouri	.01	T.	.13	.07	.03	T.	.01	T.	T.	T.									.27			.36	T						.06	T.		0.94
Kansas City University	do	.14		.12		.14	.02	T	T.	T.	T.									.25			.32	.11						T.	T.		1.10
Kidder[2]	Grand	1.41				.20	.03														.35			.25							.03		2.27
King City	Missouri	.37								T.										.89				.41									1.67
Kirksville	Mississippi	.25				.48	.14	T.	T.	T.										.42	.02		*	.60						T.	.03		1.94
LaBelle[2]	do						2.00														.59			.53									3.12
Lawson	Missouri	.11		.03		.18	T.	T.	T.	T.										.23			.27	.25						T.	.14		1.21
Linneus[2]	Grand	1.01				.32	.20	T.	T.												.28			.23							.11		2.15
Louisiana (A)	Mississippi					1.00														.30			*	.90						.03	T.		2.23
Lucerne[2]	Grand	1.21				.38	.21		T.												.30			.11							.02		2.23
Macon[2]	Chariton	.92				.17	.28	T.	T												.29			.49							.01		2.16
Madison[2]	Mississippi				.02	.11	.52														.52			.42									1.59
Maryville	Missouri	.45				.10		T.												.50			.10	.07							T.		1.22
Memphis[2]	Mississippi	.91	T.			.13	.30		T	T.	T.										.44			.24							.08		2.10
Mexico[2]	do	.45		.02		.15	.75		.06	T.											.85			1.20							.05		3.53
Milan[2]	Grand	1.20				.47	.18														.22			.38							.21		2.66
Moberly	Mississippi		T.					T.												.58			.15	.50									1.23
Monroe City	do			T.		.61	.28													.44	.03		.22	.32									1.90
Oregon	Missouri	.28			.17	.27		T.		T										.32			.30										1.34
Palmyra[2]	Mississippi	.45				T	.90			T.											.20			.50							T.		2.05
Paris[2]	do	.48				.21	.50		T.	T.											.41			.59							T.		2.19
Perry[2]	do					.20	.30	.05													.95			.40									1.90
Philadelphia[2]	do	.74					1.05	.10													.37		*	.49							.05		2.80
Platte City[2]	Missouri	1.04		.06		.05	T.													T	T.			.07									1.22
St. Charles[2]	do	.54			.49	.05	.97		T.	T.					.04						.43			1.12									3.64
St. Joseph[1]‡	do	.04	T.	.02	.15	.05	T.	T.	T.	T.										.37			.33	T.									0.96
Saverton, Lock No. 22[2]	Mississippi	.40				T.	.77		.01	T.											.56			.65							T.		2.39
Shelbina	do	.02		T.		.38	.19	T.	T	T.										.58			.28	.32						T.			1.77
Shelbyville[2]	do	.27					.58														.47			.48									1.80
Steffenville[2]	do	.81				.20	.71	T.	T.	T	T.										.35			.49									2.56
Tarkio	Missouri	.10			.12	.15	.25	T.	T.											.59			.20										1.41
Trenton	Grand					.35	.14	T.	T.											.45			*	.36						*	.17		1.47
Troy[2]	Mississippi				T.	.02	.62	.01	T.						T.						.48			.90									2.03
Unionville[2]	Chariton	1.35				.33	.22														.40			.18							.10		2.58
Warrenton	Mississippi	.02		.13		.12	.60	T.	T.	T.					.04					.51	.04		.25	.50							T.		2.21
Keokuk. Iowa[1]‡	do	.02				.49		T.	T	T.				T.						.38			.42	T						.01	T.		1.32
Southwestern Division																																	
Altona[2]	Osage	.85		T.		T			T.												.63			.81									2.29
Anderson (near)	Neosho			.08	.12	.11			T.		T.									.68			.74	.04							.02		1.79
Appleton City	Osage			.18		.21	.04			T.										.75			*	.75							.08		2.01
Bolivar	do			.32		.04	.09	T.	T.						T.					1.09			.69	.10							.23		2.56
Boonville[2] (A)	Missouri	.75		.26		.10	.15														.98			.74							.02		3.00
Buffalo[2]	Osage			.32	.04	.07	.08														.74		.10	.77							.22		2.34
Butler[2]	do	.60		.25		.17	.08														.52		T	.80	.03						.11		2.56
Caplinger Mills[2]	do				.17	.08		T.	T.	T.											.46	.03	.69	.12						.27			1.82
Carthage	Neosho			.44		.10	.04													.70			.95	.02							.08		2.33
Clinton[4]	Osage			.14	.20	.17	.01	.01	T.	T.										.65			.72	T.						.02	.08		2.00
Concordia[2]	Missouri	.80		.08		.18	.03		T.												.20			.80							T.		2.09
Crocker[2]	Osage	.09		.05	.01	.06	.39	T.	T.						.08						.28		.07	.93							.03		1.99
Eldon[2]	Missouri	.25		.02	.20	.14	.17																*	1.05							.08		1.91
Eldorado Springs	Osage			.39		.14	.09					T.								.16			.63	.25							.14		1.80
Fort Leonard Wood	Gasconade	.03		.06	.03	.26	.37	.02	.01		.02				.04					.36		.03	.56	.24	.22								2.25
Galena[2]	White	.15		.64	.32	.17	T.								.05						.26		.09	.48	.17						.12		2.45
Hailey	do	.09		.21	.19			T.							.04					.78			.95	.06							.04		2 36
Harrisonville[2]	Osage			.11		.19	.06														.49			.55							.10		1.50
Higginsville[2]	Missouri	.58		.11		.18	.05													.33				.60									1.85
Jefferson City[2]	do	.32		.05	.12	.15	.18				T.										.76			1.20									2.78
Joplin[3]	Neosho			.28		.21														.46			.70							.05			1.70
Lakeside[2]	Osage	.20		.11	.04	.05	.15		T.						.01						.67			1.03	.03						.07		2.36
Lamar[2]	Neosho	.60		.94		.15	.05					.15									.54			.75							.10		3.28
Lebanon[2]	Osage	.10		.10	.06	.10	.26	.01												.02	.42		.04	.90	.01						.09		2.11
Lexington[2]	Missouri	1.07		.17		.20	.10														.56			.63							.28		3.01
Lockwood	Osage			.87		.10	.10				.10									.83			.47	.30							.11		2.88
Manes[2]	Gasconade	.16		.12	.16	.09	.23	T.							.04						.81		.13	.67	.02						T.		2.43
Marshall	Missouri	.02						T.												.35	T.		.38	.20							.32		1.27
Mountain Grove	White	.02		.24	.34	.19	.06	.02	.03											.38	.21		.45	.29							.05		2.28
Mount Vernon	Neosho			.85	.10	.10	.15				.12									*			*	1.70							.30		3.32
Neosho	do			.25		.12														1.25			.37	.03							.22		2.24
Nevada	Osage			.49		.13	.07	T.			.05									.35			.74	.30							.09		2.22
Osceola[2]	do			.48	T.	.21	.10														.70			.70							.22		2.41
Ozark Beach[2]	White	.07		.20	.55	.16	.02		.02			.02									.90		.04	.71							.18		2.87
Pleasant Hill[2]	Osage	.82		.23		.16	.06	.03	T		T									.02	.44			.46							.18		2.40
Roby[2]	Gasconade	.11			.17		.46								.04						.82		.80	.03									2.43
St. Thomas (near)[2]	Osage	.22		.08		.16	.36														.61			1.21									2.64
Sedalia	Missouri	.03		.14		.20	.05	T.	T	T.										.72	.05		.50	.21						T.	.06		1.96
Seligman	Neosho			.08		.43	.05			T.										1.50			.90	T.							.29		3.25
Seymour (near)	White			.31	.20	.28	.09	T.		T.										.52	.08		.62	.16							.30		2.56

Continued on next page

Daily Precipitation for November 1941 Continued from preceding page

Stations	Drainage basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Southwestern Division—	*Concluded*																																
Springfield[1]‡	White	T.		.60		.17	.11	T.	T.	T.	T.			T.	.04					.66			.75	.03							.11		2.50
Stover[2]	Missouri	.33																					1.43	.58									2.82
Sweet Springs	do	.03		.25		.16	.04	T.		T.					T					.47			.62	.04	T.					T.	.04		1.65
Warrensburg	do			.18			.03													.56			.15	.25							.02		1.19
Warsaw (A)	Osage			.41		.12	.05	.01	T.	T										1.05			.56	.17							.09		2.46
Wasola	White			*	1.10	.11	.03	T.		T.										*	.81		.66	.02							.08		2.81
Waverly[2]	Missouri	.97		.25		.25	.10														.30			.67							.04		2.58
Southeastern Division																																	
Advance[4]	St. Francis			.29	.09	.45	.30	.01	T.	T.										.71	.12		.55	T.									2.52
Alton (near)	Black			.15	.54	.16	.32													10			.61										2.21
Annapolis	St. Francis			.06	.20	.25	.41													.28	.52		.52	.09									2.33
Arcadia[2]	do	.88		T.	.37		.71	.18	T.						T.			T.			1.08			.71	.02								3.95
Belleview	Meramec				.26	.60	.20													.40	.48		.45	.35									2.74
Birch Tree (near)	Black			.45	.48	.21	.30													.66	.65		.64	.04									3.43
Bragg City[2] (A)	St. Francis	.10		.23								.15												.54									1.02
Campbell	do	.04			.31	.01	.23	.01							T						.02		.45	.11									1 18
Cape Girardeau[2]	Mississippi	.22		.01	.45	T.	.42	.31	T.												.36			.44									2.21
Caruthersville[2]	do	.11			.30		.20	.12		T.											.50			.55									1.78
Centerville[2]	Black	.25			.32		.81	.01	T.						.05						.70			.72									2.86
Crystal City	Mississippi			.08	.05	.06	1.09	T	T.	T.					.01						.70			.82									2.81
Cuba[2]	Meramec	.24			.05		.87	.06							.12						.45			.43									2.22
Deering	St. Francis	.05			.25	.01	.22	.02															.70	.02									1.27
Dexter[2]	do			.38	03	.15	.27	.04	T.												.08			.61									1.56
Doniphan	Black			.02	.63	.22	.36	T.												.03	.30		.67	.01									2.27
Farmington	St. Francis			.02	.19	.04	.89	.02	T.	T.					T.					.08	.77		.44	.32									2.77
Fisk[2]	do	.61			.36		.39	T.		T.											.33			.61									2.30
Fredericktown[2]	do	.40			.18		.76	.15	T.		T.										.76			.32	T.								2.57
Gerald[2]	Meramec	.34				.03	.95								.08									1.06									2.46
Goodland	Black				.29		.81													.30	.45		.50	.18									2.53
Greenville	St. Francis			.03	.45	.38	.52	T.	T.												.57		.42	*	.16								2.53
Jackson	Mississippi	.09			.47		.75	T.	T.	T.					.01						.67		.26	.28									2.53
Jerome[2]	Gasconade	.32					.82								.10						.69			.83	.05								2.81
Koshkonong	Black			.35	.55	.12	.24		T.						.02					.35	.44		.78	.04									2.89
Leeper[2]	do	.30			.48		.85	.07													.60			.60									2.90
Licking (near)	Gasconade			.04	.14	.31	.31								.06					.75	.22		.20	.10							T.		2.13
Marble Hill	Mississippi	.05			.08	.30	.90														.52		.30	.28									2.43
Meramec Park[2]	Meramec	.29					1.16														.51			.89									2.85
Morehouse	Mississippi	.18			.48	.08	.76		T.														.41	.31									2.22
New Madrid[2]	do	.37			.37	T.	.51	.28			T										.10			.53									2.16
Owensville[2]	Gasconade						.86	T.	T.	T.					.05						.28			.79									1.98
Pacific[2]	Meramec	.50		.70	T.		1.40	T	T.	T.	T.				T						.48			.95									4.03
Parma[3]	St. Francis	.68			.31		.28	.18													.09			.58									2.12
Perryville[2]	Mississippi	.30			.30		.65	.30	T.							T.					.60			.50									2.65
Poplar Bluff[2] (A)	Black	.33			.50		.37	.21													.53			.64									2.58
Richwoods[2]	Meramec				.54		1.15	T.		T.											.70			.63									3.02
Rolla[4]	do			.04	.01	.52	.34	T.	T.	T.					T.					.35			1.76	.03							T.		3.05
St. Louis:																																	
City Office[1]‡	Mississippi	T		.06		.54	.87	T	T.	T.	T.				T.					.41	.03		1.06	.07							.01		3.05
Airport[4]‡	Missouri	.01		.02	T.	.61	.81	.01	T.	T.	T.				T.					.22	T.		1.07	T.									2.78
St. Louis Univ.[3]‡	Mississippi	.01		T.		.44	.61	T.	.01	T.					.01					.34	.03		.42	.13							.01		2.01
Washington Univ.[2]‡	do	.50			.09	.02	1.36	1.12							.01						.37			1.10									4.57
Salem	Meramec			.08	.15	.27	.61	T.							.09					.53	.17		.51										2.41
Sikeston[2]	Mississippi	.63			.45	T.	1.00	.20	T.	T.											.05			.60									2.93
Union	Meramec			.08		T.	1.17	T.		T.					.17					.35			.40	.55									2.72
Valley Park[2]	do	.57	T.		.13		1.03	.26	T.		T.				T						.38			1.09									3.46
Van Buren	Black			.03	28	.20	.23													.12	.23		.55										1.64
Wappapello Dam[2]	St. Francis	.25			.44		.41	.17	T.												.74			.60									2.61
Weingarten[2]	Mississippi	.48			.22	.05	1.07	.05	T.	T.											.65			.70									3.22
West Plains[4]	Black			1.02	.03	.14	.12	T.	T						.01					.85	.01		.75	T.							.02		2.95
Williamsville[2]	do	.28			.52	.02	.65	.12	.01												.71			.57									2.88
Willow Sprgs. (near)	White			.42	.36	.20	.13	T.	T.											.34	.43		.48	T.						.14			2.50
Zalma (near)	Mississippi			.02	.54	.40	55													T.	.78		.49	.09									2.87
Cairo, Ill.[1]‡	do			.12	.16	.41	.27	T.	T.	T.					T.					T	.08		.38	T.							T.		1.42

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for November 1941

(See precipitation data in daily precipitation table)

Station	Data	Day of month																															Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	....	.044	.155	.032	.007	.023	.070	.032	.049	.044	.036	.024	.038	.102	.023	.042	.060	.176	.150	.060	.064	.068	.008	*	.129	.062	.061	.055	.069	.054	....	1.797
	Mean temperature	48	54	52	54	45	42	36	34	32	38	39	44	50	47	52	58	62	60	60	42	43	36	28	32	42	50	51	50	52	46	..	46.1
	Wind movement	159	118	25	23	48	114	123	116	106	54	30	28	44	52	35	13	18	58	86	98	44	45	57	95	45	55	13	13	19	21	..	1,755
St. Louis (Washington University)	Evaporation	.038	.049	.062	.008	.028	.023	.030	.025	.018	.038	.020	.024	.029	.080	.049	.048	.050	.106	.090	.049	.083	.062	.000	*	*	.048	.052	.034	.049	.037	....	1.229
	Mean temperature	47	48	44	54	52	41	36	32	31	32	37	42	48	49	52	54	60	60	63	42	42	38	29	28	40	46	52	52	54	52	..	45.2
	Wind movement	50	23	9	1	3	68	57	36	25	14	1	10	14	33	11	7	6	41	51	73	26	14	34	31	13	35	22	6	7	8	..	729

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for November 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	50	62	60	60	44	40	36	34	32	43	47	57	62	51	65	72	75	73	68	47	55	45	27	39	53	64	65	67	67	58	..	53.9
	Minimum	37	32	33	36	37	34	31	30	28	29	28	29	32	40	38	40	44	57	57	33	29	30	24	19	19	31	30	36	36	45	..	34.1
Chillicothe §§	Maximum	49	64	59	58	43	38	35	34	31	41	39	58	63	56	68	71	78	73	65	44	49	41	28	41	56	64	68	71	66	58	..	53.6
	Minimum	35	31	38	35	38	31	29	26	27	24	29	28	31	42	38	42	47	58	61	31	27	29	19	11	17	32	34	38	45	50	..	34.1
Columbia	Maximum	52	62	54	60	50	44	37	33	32	39	48	57	63	52	67	75	78	73	69	46	53	42	29	38	54	63	65	67	70	57	..	54.3
	Minimum	37	32	44	35	40	37	33	30	30	29	33	31	40	39	39	45	56	58	40	34	33	29	23	20	34	32	41	40	48	50	..	37.1
Fayette	Maximum	51	64	58	58	54	44	37	35	33	41	49	55	63	59	66	72	77	73	70	50	53	44	33	37	54	63	63	66	68	60	..	55.0
	Minimum	35	30	44	33	39	32	30	33	28	27	27	25	36	36	41	40	50	53	49	31	28	31	22	14	26	30	38	34	40	48	..	34.3
Grant City	Maximum	47	60	60	56	51	37	35	33	32	37	36	59	60	57	71	70	75	69	66	42	53	48	29	41	54	63	68	65	63	57	..	53.1
	Minimum	33	29	33	35	34	28	28	24	26	19	27	27	33	38	36	42	52	55	35	28	21	26	16	11	25	30	32	36	46	48	..	31.9
Hannibal	Maximum	49	60	58	57	50	45	39	33	30	40	44	55	62	53	64	65	76	74	70	45	50	44	30	35	49	60	64	65	68	60	..	53.1
	Minimum	34	31	43	40	39	36	30	28	27	27	27	27	37	40	39	39	50	50	41	30	26	28	18	15	30	34	40	42	46	50	..	34.8
Kansas City Airport	Maximum	53	66	55	59	49	43	37	36	34	40	41	58	62	56	72	77	75	74	67	46	54	46	28	45	57	65	69	69	63	63	..	55.3
	Minimum	34	38	40	35	37	31	30	27	30	27	34	34	43	44	43	42	59	59	37	34	32	26	23	21	36	33	39	46	52	51	..	37.2
Kirksville	Maximum	47	60	62	55	51	43	37	37	29	40	39	55	62	56	67	68	76	72	67	45	50	43	28	37	50	61	69	64	65	58	..	53.1
	Minimum	37	30	39	37	40	30	30	25	27	27	27	30	42	43	38	39	49	55	44	30	24	28	18	14	28	32	36	40	47	50	..	34.5
Lawson	Maximum	48	63	55	56	53	39	38	33	32	37	37	56	62	55	69	74	74	72	66	43	53	45	29	41	56	63	66	66	63	59	..	53.4
	Minimum	33	34	42	37	36	29	29	24	27	23	29	29	40	42	39	44	53	56	41	29	26	29	20	16	31	34	38	41	48	49	..	34.9
Louisiana	Maximum	56	52	60	56	54	50	45	35	32	40	38	55	62	57	67	64	77	75	72	65	45	42	35	35	51	60	60	65	65	63	..	54.4
	Minimum	37	31	42	39	40	37	32	28	29	27	25	26	36	42	38	35	46	49	55	35	29	30	25	15	25	30	40	37	45	45	..	35.0
Macon §§	Maximum	50	61	59	58	44	44	35	31	30	40	42	55	61	50	63	69	75	74	68	45	52	44	35	36	51	61	67	67	67	61	..	53.2
	Minimum	36	32	38	38	38	32	30	28	27	26	26	30	32	43	39	39	45	56	58	31	28	35	22	16	19	34	37	38	43	48	..	34.8
Maryville	Maximum	43	55	58	54	50	37	33	33	31	34	38	57	60	56	67	68	73	68	65	40	51	37	28	42	52	62	66	65	63	56	..	51.4
	Minimum	32	30	36	35	33	28	27	23	27	19	27	28	40	37	36	42	50	56	35	27	22	25	11	12	25	32	34	34	47	49	..	32.0
Mexico §§	Maximum	51	61	56	57	59	44	35	30	30	36	48	48	62	49	69	74	77	76	79	45	51	37	26	35	50	60	64	65	68	59	..	53.4
	Minimum	38	33	37	37	39	34	31	29	28	26	26	30	32	38	38	38	47	53	58	32	30	32	24	11	20	30	32	37	40	47	..	34.2
Moberly	Maximum	52	61	65	59	54	41	38	34	40	44	47	55	62	55	70	76	79	78	70	51	53	48	36	34	54	62	64	66	67	61	..	56.0
	Minimum	36	34	41	36	39	33	31	28	27	29	33	29	39	44	38	47	54	55	51	32	27	33	22	15	29	32	39	38	39	42	..	35.7
Oregon	Maximum	46	59	60	57	53	42	37	36	35	39	43	60	63	57	71	74	75	68	67	42	53	45	28	42	55	58	68	66	62	57	..	53.9
	Minimum	30	34	39	42	33	28	27	24	23	22	26	30	42	37	40	41	55	58	36	29	27	25	18	15	28	38	39	41	50	49	..	34.2
St. Charles §§	Maximum	57	65	53	62	52	44	38	39	34	37	52	52	66	57	69	70	79	75	71	50	56	43	31	38	58	63	67	69	70	62	..	56.0
	Minimum	40	34	43	47	49	40	35	32	30	30	24	25	28	37	39	38	50	48	60	35	29	32	29	12	23	32	37	35	37	45	..	35.8
St. Joseph	Maximum	48	61	58	56	43	40	34	35	32	38	42	60	60	56	71	74	74	69	64	42	53	41	27	42	56	63	68	68	62	60	..	53.2
	Minimum	33	37	43	41	34	30	28	27	28	25	29	31	45	40	43	41	58	60	34	32	31	23	21	20	33	35	38	42	52	51	..	36.2
Trenton	Maximum	58	64	62	63	50	40	35	34	32	41	36	59	63	57	72	71	75	72	70	45	54	48	37	39	57	66	65	68	65	60	..	55.3
	Minimum	35	30	38	36	38	30	29	26	27	24	29	29	38	40	38	45	51	56	45	30	26	31	27	17	27	30	35	37	45	50	..	34.6
Unionville §§	Maximum	47	63	62	56	45	43	35	30	29	44	38	57	61	56	69	69	77	70	65	44	50	39	30	38	51	62	69	65	67	57	..	52.9
	Minimum	33	30	29	34	35	27	22	23	22	24	24	28	29	38	36	36	41	50	51	26	21	22	15	10	11	23	30	32	39	45	..	29.5
Warrenton	Maximum	59	61	59	60	54	44	42	36	30	40	47	56	64	64	65	73	78	75	71	63	52	50	33	37	53	62	66	67	69	62	..	56.4
	Minimum	38	33	46	43	43	36	32	29	29	27	25	28	35	43	38	45	45	55	59	33	30	32	25	14	25	37	43	43	41	49	..	36.7
Keokuk, Iowa	Maximum	47	58	59	59	50	43	37	33	31	40	37	56	63	54	62	65	75	73	70	43	49	44	28	38	50	61	65	65	65	57	..	52.6
	Minimum	36	33	41	40	39	35	32	29	29	29	28	32	41	42	41	42	52	60	40	33	30	28	17	17	33	35	39	44	49	52	..	36.6
Southwestern Division																																	
Clinton	Maximum	51	69	60	64	51	46	39	36	38	45	47	56	64	54	69	80	79	74	68	49	55	42	30	38	55	65	67	69	67	63	..	56.3
	Minimum	35	35	44	36	37	35	30	27	29	22	32	29	38	38	38	43	54	55	37	30	28	29	21	19	30	31	37	39	42	49	..	35.0
Eldon §§	Maximum	55	66	53	62	47	..	..	..	35	46	46	53	65	54	71	79	79	75	71	..	..	..	..	..	..	..	..	..	..	70	..	^{m}60.4
	Minimum	37	34	35	38	37	37	..	..	..	29	29	27	27	37	35	38	50	51	54	32	..	..	..	..	..	..	..	..	..	..	..	^{m}36.9
Harrisonville §§	Maximum	54	68	58	60	41	45	35	35	35	40	48	53	62	55	68	76	74	73	65	45	55	41	28	40	53	61	65	68	64	63	..	54.3
	Minimum	43	34	40	36	39	31	30	24	25	20	26	27	33	40	37	40	49	51	57	28	28	34	23	12	12	32	35	35	41	47	..	33.7
Jefferson City §§	Maximum	54	65	55	61	45	45	35	34	31	40	48	58	65	50	68	77	78	74	72	48	54	40	30	39	56	65	69	68	70	56	..	55.0
	Minimum	36	34	36	35	36	34	30	28	28	27	27	27	27	35	34	35	38	51	55	31	28	28	23	17	18	30	33	38	39	43	..	32.7
Joplin	Maximum	59	68	57	61	54	46	40	39	35	42	40	55	63	58	72	80	76	73	68	47	54	43	33	46	56	66	65	67	66	67	..	56.5
	Minimum	34	42	50	40	36	34	31	28	28	25	35	32	41	41	44	55	60	62	40	34	31	33	26	23	27	40	47	44	53	52	..	38.9
Lamar §§	Maximum	60	73	53	61	45	52	38	40	38	43	43	57	65	58	71	82	79	75	67	52	57	40	31	47	57	67	68	70	68	69	..	57.5
	Minimum	31	31	35	36	36	31	30	24	24	19	22	25	26	33	33	37	43	51	53	28	25	25	23	19	19	29	29	34	36	40	..	30.9
Lebanon §§	Maximum	57	61	55	64	47	45	35	41	35	46	42	57	63	55	72	85	76	73	62	50	55	38	28	41	58	72	74	74	76	58	..	56.5
	Minimum	34	35	39	42	41	33	29	26	27	21	21	28	29	36	35	41	51	50	52	29	26	28	26	16	18	34	35	40	40	39	..	33.4
Lexington §§	Maximum	53	67	57	59	41	40	37	34	33	41	45	57	62	56	71	78	77	73	65	46	54	43	28	41	54	64	70	68	64	59	..	54.6
	Minimum	35	36	39	40	40	32	31	26	26	25	27	34	37	43	43	44	48	56	59	33	32	34	22	20	22	35	38	41	44	50	..	36.4
Marshall	Maximum	49	59	59	59	56	40	49	35	34	43	43	53	60	59	65	75	78	73	70	69	55	51	49	43	52	61	64	64	63	61	..	56.1
	Minimum	35	35	38	38	39	32	30	28	28	28	30	30	40	43	40	43	48	57	61	31	30	35	22	19	31	35	40	41	45	45	..	36.6
Mountain Grove	Maximum	59	69	59	63	55	46	39	41	33	47	42	56	61	60	72	76	73	68	65	61	55	49	34	45	58	63	68	67	68	61	..	57.1
	Minimum	35	38	46	46	37	34	29	26	29	26	29	26	33	41	35	50	50	50	58	31	28	32	27	19	25	39	39	38	42	46	..	36.1
Neosho	Maximum	61	72	63	64	62	60	40	40	44	44	44	58	65	63	75	83	77	74	70	65	57	50	50	49	61	68	69	70	68	69	..	61.2
	Minimum	33	34	48	38	39	34	34	28	28	20	38	25	34	38	34	47	52	56	60	32	25	31	28	19	29	31	32	35	41	49	..	35.7
Nevada	Maximum	58	70	55	64	55	50	44	38	41	40	42	55	64	58	70	82	78	74	67	54	55	41	33	45	55	65	67	69	65	68	..	57.4
	Minimum	32	34	45	32	34	33	30	25	25	20	30	27	32	39	38	45	53	53	51	30	26	31	23	17	33	31	36	38	43	48	..	34.5
Sedalia	Maximum	52	63	60	60	55	42	37	34	33	46	47	55	63	58	65	77	78	72	70	50	53	46	35	40	54	63	65	67	66	60	..	55.5
	Minimum	35	35	45	37	33	33	38	27	29	28	36	31	41	43	40	46	55	56	50	32	30	32	22	20	32	34	39	40	45	50	..	37.0
Springfield	Maximum	58	67	55	59	48	42	39	37	33	42	41	56	61	55	70	76	75	71	66	47	52	41	32	44	57	62	66	66	65	62	..	54.8
	Minimum	35	36	47	40	35	35	28	27	26	22	32	30	33	37	36	47	52	54	42	31	28	32	24	17	30	34	38	39	42	48	..	35.2
Warrensburg	Maximum	53	63	58	60	53	40	38	34	36	44	49	55	61	56	67	71	77	73	67	49	53	46	33	41	53	61	65	67	65	61	..	55.0
	Minimum	35	35	45	36	37	33	29	26	28	23	36	29	39	42	39	42	45	56	42	28	29	32	22	19	32	33	37	11	45	49	..	35.5
Southeastern Division																																	
Arcadia §§	Maximum	61	69	61	60	56	42	35	38	35	40	48	59	65	66	73	78	78	72	68	54	58	40	33	43	54	65	73	70	71	66	..	57.7
	Minimum	40	36	39	46	45	36	32	28	29	29	19	22	22	37	29	31	37	47	49	37	24	25	31	23	23	25	31	29	29	39	..	32.3
Birch Tree (near)	Maximum	65	71	64	63	54	44	45	40	38	47	55	59	63	65	74	80	76	72	65	64	58	45	36	44	51	55	63	69	72	63	..	58.7
	Minimum	55	32	50	46	43	35	27	30	30	27	27	20	26	38	30	39	46	45	46	34	25	28	30	24	20	26	29	29	31	36	..	33.5
Caruthersville §§	Maximum	59	67	64	63	60	45	44	41	42	44	48	56	61	63	69	75	76	74	73	66	52	45	43	38	44	61	66	68	69	68	..	58.1
	Minimum	43	39	39	43	50	38	33	30	32	33	25	26	26	32	35	35	40	48	50	50	32	32	33	29	25	27	29	37	37	38	..	35.5
Crystal City	Maximum	57	56	56	63	57	45	39	36	35	35	49	56	65	61	70	68	78	73	59	62	55	41	35	39	55	63	70	69	72	67	..	56.2
	Minimum	33	32	44	48	42	39	29	31	30	28	19	24	25	40	39	32	41	43	35	31	24	26	28	18	18	23	30	27	27	34	..	31.3
Doniphan	Maximum	62	72	59	60	60	49	44	43	42	46	45	60	65	68	75	80	80	75	71	67	58	42	41	44	54	67	73	70	74	67	..	60.4
	Minimum	43	32	44	51	43	39	32	28	30	26	19	20	24	28	28	35	37	40	59	40	25	31	35	29	21	24	26	27	26	30	..	32.4
Farmington	Maximum	65	65	61	57	56	44	42	34	34	31	40	47	55	59	57	70	65	70	68	64	54	47	38	37	46	53	56	56	57	57	..	52.8
	Minimum	41	36	44	49	43	37	33	30	30	30	20	24	31	45	31	37	45	60	61	38	26	30	29	22	26	32	36	31	38	39	..	35.8
Jackson	Maximum	67	64	61	58	58	58	43	38	37	36	44	53	60	61	64	69	74	71	70	68	53	50	38	36	44	63	61	65	66	66	..	56.5
	Minimum	42	35	45	50	51	39	35	32	32	33	22	24	24	37	32	38	44	49	60	41	27	31	35	25	25	28	31	31	31	36	..	35.5
Poplar Bluff	Maximum	61	68	59	59	62	45	41	42	41	45	50	58	63	68	74	77	74	79	70	67	57	41	42	40	53	65	71	71	70	71	..	59.5
	Minimum	43	41	36	50	41	33	31	29	32	30	21	22	28	31	37	42	43	47	38	37	26	32	35	28	22	26	29	29	32	31	..	33.4
Rolla	Maximum	55	64	58	61	50	44	36	35	31	39	46	58	63	50	70	77	75	73	70	48	52	38	32	40	58	65	68	68	69	57	..	55.0
	Minimum	37	37	48	47	35	33	29	28	28	26	26	29	38	37	36	50	52	54	44	31	30	30	21	18	29	38	45	44	46	50	..	36.5
St. Louis	Maximum	54	61	55	62	55	44	38	35	32	36	47	56	63	58	67	68	77	72	70	49	52	43	34	39	55	61	66	68	70	63	..	55.0
	Minimum	41	38	49	50	42	38	33	30	30	30	28	33	40	47	41	47	52	52	49	37	34	32	24	23	31	41	46	46	48	52	..	39.5
Salem	Maximum	56	65	60	60	50	43	39	38	34	34	45	58	64	52	72	77	76	71	71	63	54	39	34	44	57	65	69	70	71	60	..	56.4
	Minimum	38	35	43	48	37	35	30	28	29	29	23	24	32	40	31	40	52	53	60	32	26	31	28	22	26	29	36	36	37	45	..	35.2
Sikeston §§	Maximum	62	70	65	60	61	44	43	39	39	40	47	57	63	66	70	75	77	75	70	58	57	44	42	40	45	63	69	70	72	68	..	58.4
	Minimum	44	40	42	49	50	40	31	32	32	31	22	26	30	35	32	35	48	49	53	40	29	30	36	25	24	26	30	36	35	37	..	35.6
Union	Maximum	59	69	62	66	57	46	44	37	34	40	51	61	67	60	73	76	80	76	75	65	58	50	34	42	61	69	73	71	74	63	..	59.8
	Minimum	41	29	41	47	43	38	31	31	31	29	22	25	31	44	32	35	40	47	57	34	27	27	..	16	23	27	32	29	30	41	..	^{a}33.8
West Plains	Maximum	60	69	55	62	50	48	39	43	39	47	50	57	63	64	72	78	76	73	67	55	55	40	35	46	58	65	67	68	70	63	..	57.8
	Minimum	39	36	45	48	38	32	31	28	32	29	26	22	25	34	30	38	38	41	55	30	27	30	29	24	20	28	28	29	29	38	..	32.6
Cairo, Ill.	Maximum	57	65	63	60	57	43	40	37	38	37	46	54	61	62	66	74	76	72	71	67	53	44	41	33	40	59	65	67	68	69	..	56.2
	Minimum	45	43	51	53	43	38	34	33	33	32	28	31	38	41	36	44	52	54	63	42	35	38	33	29	27	33	42	43	42	42	..	39.9

^{a}, ^{b}, ^{c}, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. || Partially estimated.

WBO. St. Louis, 12-31-41—1150.

12

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

19

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLV DECEMBER 1941 No. 12

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GENERAL SUMMARY

Aside from being unusually mild, December was an uneventful month from a climatic standpoint and quite favorable for seasonal outdoor activities.

It was the warmest month of its name since 1931 and the sixth warmest since State-wide records began in 1888. This makes the 9th consecutive month of the current year in which the average temperature for the State has been higher than normal. Only February and March had deficient averages. Not a single station had a sub-normal average during the month, while some stations in the Northern Division averaged as much as eight and nine degrees warmer than normal. Unusually mild periods occurred from the 1st to 5th and 16th to 26th, while relatively cold periods were from the 10th to 14th and 28th to 30th. The warmest days were the 19th, 20th, and 22d, when daytime temperatures climbed to the high sixties and low seventies, and the coldest day was the 29th, when night temperatures ranged from as low as three degrees upward into the twenties. No zero temperatures were recorded anywhere in the State, which is unusual for December in Missouri.

Precipitation this month averaged practically normal for the State, as a whole, and occurred chiefly in the form of rain. The distribution was rather irregular, the Southeastern Division receiving an average of 2.76 inches, while the Southwestern and Northern Divisions received an average of 1.94 inches and 1.92 inches, respectively. The principal dates of occurrence were the 11-13th, 22d-26th, and 30th-31st. Heaviest falls were on the 22-23d, generally, and were accompanied by thunder and lightning over much of the State.

Snowfall was rather general on the 11-12th and in the Northern Division on the 23d and 30th, but amounts were mostly light to moderate, except in the more northern counties, where amounts ranged to as much as eight inches. The snow soon melted and afforded but little protection to the winter wheat crop.

The continued mild, open weather this month was ideal for live-stock, and feed requirements were reduced to a minimum, as the lack of snow cover permitted grazing and foraging throughout most of the month. Winter wheat made some growth, but alternate thawing and freezing and the absence of snow cover will probably result in some damage to that crop. Harvesting, combining, and threshing of lespedeza seed and grain sorghums was accomplished under favorable conditions, and most of this work had been completed at the end of the month. No plowing was possible because of muddy or frozen ground. Fuel requirements were greatly conserved due to the mild conditions which prevailed.—M. R. W.

TEMPERATURE

The monthly mean for the State, 92 stations reporting, was 39.6°, or 5.3° warmer than normal. The highest monthly mean was 44.0° at Anderson (near), and the lowest monthly mean was 34.7° at Tarkio. The highest recorded was 72° at Doniphan on the 20th, and the lowest was 3° at Unionville on the 29th. The greatest daily range was 48° at Arcadia on the 20th and at Doniphan on the 19th and 20th.

PRECIPITATION

The average for the State, 158 stations reporting, was 2.21 inches, or 0.06 inch more than normal. The greatest local monthly amount was 5.46 inches at Morehouse, and the least local monthly amount was 0.71 inch at Farber. The greatest amount in any twenty-four hours was 3.96 inches at Dexter,

(Continued on page 67)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.08*	30.51*	6†	29.38*	23	7.8	23	sw.	5	83*	68*	73*	49
Kan. C. Airport	30.06	30.56	28	29.38	4	11.3	39	nw.	5	78	64	67	51
St. Joseph	30.06*	30.55*	28	29.38*	4	9.5	33	w.	22	92*	73*	83*	43
St. Louis	30.08*	30.57*	29	29.35*	23	11.6	32	nw.	8	77	64	66	43
Springfield	30.08	30.54	6	29.44	23	11.4	32	sw.	7	85	68	75	42
Cairo, Ill.	30.11§	30.55	29	29.38	23	8.0	34	sw.	23	83	68	..	44
Keokuk, Iowa	30.10§	30.68	10	29.55	5	8.7	33	w.	8	71	57	..	44

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	35.9	70	0	2.43	1.88	3.03	2.39	....	6	..	..	..
1889	46.8	80	2	1.09	0.60	0.85	1.82	0.1	3	..	..	..
1890	36.0	76	− 3	1.18	0.82	1.14	1.57	4.6	3	..	..	..
1891	39.8	72	− 1	1.88	1.91	1.67	2.05	....	6	..	..	..
1892	29.4	75	−22	2.50	1.69	2.76	3.04	4.8	6	8	7	16
1893	35.2	76	− 7	0.97	0.80	0.67	1.44	2.7	5	11	11	9
1894	36.7	75	− 7	2.41	1.19	2.33	3.70	1.3	5	14	8	9
1895	34.3	69	− 8	6.40	5.12	8.57	5.50	3.4	8	9	8	14
1896	38.6	79	− 5	0 92	0.84	1.17	0.75	T.	3	13	8	10
1897	29.3	74	−14	3.03	1.92	2.98	4.19	6.3	7	8	8	15
1898	28.7	74	−20	1.65	1.62	1.84	1.48	5.1	5	17	6	8
1899	30.4	75	−13	2.22	1.90	2.02	2.74	6.6	9	12	9	10
1900	35.6	68	− 3	0.79	0.47	0.55	1.35	0.6	4	14	8	9
1901	28.5	71	−29	3.20	2.26	2.98	4.35	6.9	8	11	7	13
1902	30.7	68	− 7	3.32	2.02	2.76	5.18	3.1	8	10	4	17
1903	30.2	65	−11	1.70	1.05	1.56	2.49	2.3	5	16	7	8
1904	32.9	75	−10	1 55	1.56	1.24	1.84	6.0	5	16	7	8
1905	33.3	66	− 2	1.71	0.79	1.44	2.89	1.7	4	18	6	7
1906	36.1	73	0	2.52	1.67	1.85	4.05	0.6	8	8	6	17
1907	37.7	76	3	1.75	1.22	1.69	2.34	3.7	7	11	7	13
1908	38.4	80	− 4	0.78	0.54	0.94	0.86	T.	3	16	7	8
1909	24.9	76	−17	2.87	2.82	2.80	3.00	7.7	8	12	6	13
1910	31.2	67	− 5	1.49	0.94	1.14	2.40	2.4	4	16	5	10
1911	36.7	74	−11	2 85	2.74	2.56	3.26	5.1	7	13	6	12
1912	36.5	72	2	0.62	0.54	0.49	0.82	0.6	3	19	5	7
1913	38.3	74	− 3	2.26	2.11	2.84	1.83	6.6	7	9	4	18
1914	26.8	68	−18	2.51	1.69	2.20	3.65	6.6	9	7	5	19
1915	34.7	68	−13	2.99	1.48	2.45	5.03	7.8	6	12	6	13
1916	31.3	82	−29	1.92	0.78	1.54	3.44	4.4	6	15	6	10
1917	25.5	82	−23	0.76	0.41	0.75	1.13	7.3	5	11	7	13
1918	40.0	83	−12	3.23	2 27	2.81	4.62	7.8	7	13	6	12
1919	28.5	74	−22	0.72	0.41	0.66	1.08	0.7	3	12	4	15
1920	35.6	77	−10	2.12	1.25	1.49	3.61	2.3	5	13	7	11
1921	36.9	74	− 8	1.97	1.26	2.00	2.65	1.9	6	13	7	11
1922	36.3	75	− 6	2.27	0.75	1.71	4.35	0.2	6	15	6	10
1923	41.0	82	− 4	3.07	1.63	2.96	4.62	0.8	8	11	6	14
1924	27.7	80	−28	3.48	2.94	3.45	4.06	4.6	7	13	6	12
1925	31.6	69	−10	1.43	1.53	1.27	1.50	4.8	4	13	7	11
1926	32.6	75	−12	2.16	1.17	2.12	3.20	2.4	6	11	5	15
1927	29.9	74	−11	2.81	1.64	2.55	4.23	2.9	6	15	5	11
1928	36.2	81	0	2.29	1.37	2.49	3.00	1.4	5	14	6	11
1929	35.2	76	− 9	1.74	0.67	1.11	3.43	3.7	6	13	5	13
1930	34.2	70	2	1.24	0.79	1.35	1.57	1.9	5	15	6	10
1931	42.7	80	11	2.71	2.53	1.51	4.10	1.7	8	11	6	14
1932	31.2	77	−21	4.74	3.18	4.98	6.07	5.7	7	12	6	13
1933	39.1	78	− 7	1.92	1.52	1.67	2.56	0.4	5	12	7	12
1934	31.6	69	− 3	1.80	0.94	1.72	2.74	5.0	7	10	6	15
1935	30.7	66	−11	1.20	0.85	1.03	1.73	2.8	6	11	7	13
1936	38.4	69	− 7	2.83	2.19	2.71	3.60	2.2	7	12	7	12
1937	32.0	66	− 2	2.24	1.50	1.90	3.32	0.6	9	8	6	17
1938	35.9	72	2	1.83	1.66	1.52	2.32	0.2	6	15	7	9
1939	38.8	80	− 5	1.45	1.11	1.46	1.79	6.3	6	15	7	9
1940	38.6	78	− 2	2.59	1.77	2.33	3.66	1.7	8	10	5	16
1941	39.6	72	3	2.21	1.92	1.94	2.76	2.1	6	11	7	13
Period	**34.3**	**83**	**−29**	**2.15**	**1.52**	**2.03**	**2.91**	**3.3**	**6**	**13**	**6**	**12**

Climatological Data for December 1941

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	0	37.2	......	67	20	10	10	37	12	2.26	+1.39	1.49	6.5	8	13	5	13	s.	Curtis E. Grace
Bethany	Harrison	916	46	36.8	+ 6.7	65	20	11	10	35	48	2.73	+1.58	1.75	7.5	6	12	3	16	nw.	A. S. Cumming
Brookfield	Linn	767	0	38.2	......	63	17†	13	14	34	0	2.31	......	1.49	2.8	6	14	3	14	sw.	E. W. Patrick
Brunswick	Chariton	652	60	39.0	+ 8.4	67	20	17	11†	33	62	2.02	+0.35	1.03	1.5	6	14	2	15	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	3	37.3	......	65	20	12	29	37	11	1.92	+0.29	0.70	2.3	7	9	6	16	nw.	Lockmaster
Chillicothe	Livingston	779	32	37.4	+ 7.5	69	20	13	10	34	35	1.86	+0.44	1.04	2.0	4	14	6	11	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	42	38.5	+ 7.5	66	20	13	29	33	32	2.37	+0.65	1.03	2.3	5	9	7	15	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	51	39.6	+ 5.6	68	20	17	29	32	51	1.81	−0.05	1.13	2.3	6	7	11	13	s.	U. S. Weather Bureau
Conception	Nodaway	980	52	37.3	+ 8.1	65	1†	8	10	34	57	1.97	+1.09	1.31	7.0	7	9	6	16	nw	Fr. Adelhelm Hess
Edgerton	Platte	856	21	....	......	..	..	..	..	..	30	....	......	....	....	..	..	..	..	.....	Fred L. Stiff
Elsberry	Lincoln	449	10	39.0^{a}	+ 4.6	70	22	13	14	42	10	1.17	−1.04	0.69	1.0	4	6^{a}	15^{a}	9^{a}	sw.	Ray E. Mills
Fayette	Howard	760	61	38.3	+ 7.2	66	20	14	29	34	58	1.85	+0.19	0.67	2.6	8	11	2	18	s.	Irvin E. Schnell
Fulton	Callaway	818	53	....	......	..	..	..	..	..	49	....	......	....	...	..	..	..	..	......	J. Roy Jackson
Grant City	Worth	1,134	37	35.8	+ 7.8	64	20†	8	10	33	49	1.76	+0.70	1.28	8.0	4	10	4	17	nw	Howard Rybolt
Hannibal	Marion	759	49	37.8	+ 6.3	66	20	11	29	33	57	1.63	+0.09	0.61	1.6	8	10	5	16	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	52	40.0	+ 7.5	67	20	17	10†	32	52	1.76	+0.43	1.15	3.9	7	8	7	16	nw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	3	40.0	......	67	3†	16	28	34	3	1.64	......	1.06	2 1	6	14	4	13	sw.	University of Kansas City
Kidder	Caldwell	1,020	49	37.5	+ 8.3	67	20	12	10	32	53	2.26	+0.99	1.40	2.0	7	12	8	11	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	52	37.2	+ 7.6	65	20	7	29	29	59	2.64	+0.88	1.22	8.0	9	10	8	13	sw.	Howard Coons
Lawson	Ray	1,070	2	38.2	......	67	20	13	10	33	3	2.45	......	1.56	3.8	6	9	7	15	nw.	Elmer E. Lamb
Louisiana	Pike	469	47	38.4	+ 6.6	66	21	14	29	34	60	1.08	−0.82	0.40	1.0¶	5	14	6	11	s.	Stark Bro's Nurseries
Macon	Macon	875	42	37.8	+ 7.7	66	20	11	29	35	48	2.30	+0.66	1.37	3.5	8	9	9	13	sw.	John W. Atwell
Maryville	Nodaway	1,169	51	35.2	+ 8.4	65	20	9	10	33	47	1.88	+0.80	1.52	8.2	8	13	1	17	nw.	R. B. Montgomery
Memphis	Scotland	787	2	36.0	......	66	20	5	29†	37	11	2.05	+0.77	1.00	5.0	5	12	5	14	nw.	John W. Alexander
Mexico	Audrain	800	52	37.6	+ 5 8	69	20	13	29	35	63	1.54	−0.37	0.65	1.5	7	..	..	..	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	4	38.4	......	67	21	14	29	30	4	2.26	......	0.78	2.4	6	15	5	11	w.	Beverly Coomes
Oregon	Holt	1,048	85	37.8	+ 9.1	66	20	10	10	31	85	1.72	+0.68	1.33	6.0	4	14	5	12	sw.	Miss Mina Wright
St. Charles	St. Charles	520	53	39.9	+ 5.0	68	21	12	10	33	63	1.20	−0.59	0.61	2.5	6	12	10	9	s.	Martin L. Comann
St. Joseph	Buchanan	957	31	38.0	+ 8.4	67	20	13	10	27	69	2.04	+0.75	1.03	4.7	7	7	7	17	nw.	U. S Weather Bureau
Saverton, Lock No. 22.	Ralls	472	3	38.7	......	67	20	13	29	36	3	1.18	......	0.57	0.8	7	8	17	6	nw.	Lockmaster
Shelbina	Shelby	779	0	37.4	......	66	20	11	14†	32	48	2.26	+0.72	0.91	2.7	9	10	6	15	w.	Guyman Hatcher
Steffenville	Lewis	650	43	36.2	+ 5.6	62	20	10	29	30	48	2.16	+0.47	0.71	4.5	7	7	13	11	s.	Frank Hall
Tarkio	Atchison	916	38	34.7	+ 8.3	64	21	8	10†	34	47	2.64	+1.68	2.28	6.0	5	9	8	14	sw.	Albert Volker
Trenton	Grundy	822	45	38.4	+ 8.8	69	20	12	10	38	46	2.11	+0.70	1.48	3.5	7	17	8	6	s.	W. H. Estes
Unionville	Putnam	1,062	48	34.9	+ 7.3	65	20	3	29	36	48	2.66	+0.95	0.98	8.0	5	13	6	12	nw.	John H. Schick
Warrenton	Warren	816	59	40.6	+ 8.2	67	20	14	29	29	51	1.48	−0.60	0.58	3.0	8	8	10	13	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia	574	69	37.8	+ 8.2	66	20	12	29	30	69	2.12	+0.67	0.79	1.4	5	12	3	16	nw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**37.8**	**+ 7.3**	**70**	**22**	**3**	**29**	**42**	..	**1.92**	**+0.40**	**2.28**	**3.8**	**6**	**11**	**7**	**13**	**nw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	37	44.0^{j}	+ 6.5	71	20	7	29	46	42	1.02	−1.33	0.50	0.4	4	11^{e}	9^{e}	6^{e}	w.	E. S. Taylor
Appleton City	St. Clair	813	46	40.4	+ 5.8	65	4	19	28†	33	49	1.25	−0.34	0.43	0.8	6	15	2	14	sw.	Rolla Brown
Bolivar	Polk	1,071	38	40.4	+ 4.8	67	20	19	29	31	46	1.47	−0.87	0.59	0.9	6	12	8	11	s.	Southwest Baptist College
Boonville	Cooper	650	3	37.3	......	65	20	12	30	32	64	1.83	+0.13	0.70	1.0	5	10	7	14	nw.	Boonville Water Dept.
Carthage	Jasper	962	7	41.4	......	68	20	20	29	37	17	2.64	......	1.44	T	6	19	5	7	ne.	Carthage W. and E. Plant
Clinton	Henry	786	48	40.1	+ 5.4	66	4	18	29	33	54	1.64	−0.23	0.68	1.0	7	3	13	15	sw.	U. S. Weather Bureau
Eldon	Miller	934	46	39.0	+ 4.7	69	20	16	14†	33	42	1.67	−0.09	1.00	2.0¶	7	12	5	14	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	0	40.6	......	67	20	17	14†	28	0	2.49	......	1.45	3.5¶	6	13^{b}	2^{b}	14^{b}	w.	U. S. Army Medical Corps
Harrisonville	Cass	904	63	38.2	+ 6.9	65	20	12	10	31	66	1.47	+0.02	0.65	1.0	6	12	5	14	nw.	John H. Patterson
Jefferson City	Cole	557	51	38.4	+ 5.5	68	20	14	29	32	59	1.66	−0.28	0.85	2.1	5	9	11	11	w.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	19	42.6	+ 3.4	67	20	22	28	25	36	2.35	+0.46	0.68	T. ¶	6	..	..	..	......	Empire Dist. Electric Co.
Lakeside	Miller	595	10	40.0	+ 2.7	70	20	18	29	41	10	1.80	−0.50	0.96	....	6	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	53	39.2	+ 4.0	69	20	16	29	38	60	1.65	−0.23	0.55	T.	6	13	5	13	nw.	Jesse A. Mann
Lebanon	Laclede	1,265	53	40.0	+ 5.2	70	19†	13	14†	35	54	2.18	−0.10	1.24	3.2	4	11	6	14	s.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	56	39.2	+ 7.2	68	20	16	10†	31	57	1.82	+0.23	1.24	2.5	6	16	5	10	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	35	41.4	+ 5.3	67	20	19	29	30	45	1.70	−0.44	0.51	3.0	6	12	8	11	se.	Hubert A. Nieman
Marshall	Saline	779	54	39.4	+ 7.5	64	20	16	28†	32	51	1.96	+0.21	0.95	2.0	5	15	6	10	sw.	Sec. Chamber of Commerce
Mountain Grove	Wright	1,463	40	40.2	+ 5.5	67	20	16	14†	25	44	2.43	+0.02	1.46	0.8	7	7	14	10	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	29	41.0	+ 5.5	68	4†	12	28	34	41	1.78	−0.76	....	2.3¶	6	7	6	18	se.	G. H. Boswell
Neosho	Newton	1,011	54	41.9	+ 4.8	68	17	18	29	34	58	1.55	−0.73	0.55	T.	7	10	7	14	s.	U. S. Fisheries Station
Nevada	Vernon	862	48	41.2	+ 5.9	66	19†	20	29	36	49	1.29	−0.46	0.63	1.0	5	13	7	11	sw	Henry Kraft
Ozark Beach	Taney	700	1	41.0	......	71	19†	19	29	43	16	2.59	−0.16	1.25	T.	5	..	..	..	......	V. Smith
Sedalia	Pettis	910	28	40.6	+ 6.7	66	20	17	29	31	30	2.05	+0.77	0.77	1.0	6	12	5	14	se.	Dr. J. E. Cannaday
Seligman	Barry	1,542	40	41.2^{s}	+ 3.9	68	20	20	27†	33	38	1.98	−0.22	1.10	1.0	5	11	12	8	sw.	Floyd E. Fawver
Seymour(near)	Webster	1,642	35	39.7	+ 4.3	65	20	18	14	33	35	2.71	+0.45	1.11	3.0	6	10	11	10	nw.	A. L. Hailey
Springfield	Greene	1,301	53	39.2	+ 3.0	66	20	18	13	30	53	2.58	+0.27	1.51	2.3	7	10	5	16	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	0	39.6	......	68	20	16	14†	36	0	2.04	......	....	2.5	7	15	4	12	w.	H. F. Nelson
Warrensburg	Johnson	878	54	40.6	+ 7.2	65	20†	17	10†	31	61	1.72	+0.18	0.68	1.8	5	13	4	14	sw.	E. A. Markey
Warsaw	Benton	687	40	40.6	+ 4.9	68	20	16	29	37	46	1.83	−0.29	0.76	1.0	7	8	13	10	sw.	Everett Martin
Wasola	Ozark	1,294	0	41.9	......	68	20	17	29	29	1	2.97	......	1.47	1.4	9	13	6	12	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**40.3**	**+ 5.3**	**71**	**19†**	**7**	**29**	**46**	..	**1.94**	**−0.05**	**1.80**	**1.4**	**6**	**12**	**7**	**12**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	4	39.9	......	67	20	12	7	41	4	4.90	......	2.60	T.	7	6	11	14	sw.	U. S. Weather Bureau
Arcadia	Iron	926	60	39.3	+ 5.0	70	20	18	7†	48	63	1.83	−1.02	0.76	0.5¶	5	11	5	15	w.	Arcadia College
Birch Tree(near)	Shannon	1,000	46	40.4	+ 4.0	67	19	13	29	38	47	2.44	−0.31	0.97	0.5	6	15	5	11	s.	V. H. Kirkendall
Campbell	Dunklin	314	15	43.5	+ 5.1	70	20	22	29	34	15	5.05	+1.10	2.83	0	8	16	7	8	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	45	42.2	+ 1.3	70	20	22	14	40	49	2.16	−2.38	1.05	0	6	14	5	12	n.	Victor T. Malloure
Crystal City	Jefferson	420	7	38.9	......	70	20	16	14†	46	7	1.54	......	0.57	0.6	8	5	7	19	w.	Frank Magre
Doniphan	Ripley	344	37	41.2	+ 3.4	72	20	14	7†	48	37	3.94	+0.22	1.70	T.	7	18	5	8	n.	Boyce Lackey
Farmington	St. Francois	896	30	40.4^{c}	+ 3.7	68	20	13	14	40	44	1.51	−1.29	0.60	1.0	5	14	1	16	s.	F. M. Karsch
Goodland	Iron	1,000	48	38.6	+ 3.8	67	20	12	14	43	48	2.09	−0.36	1.21	1.2¶	5	15	3	13	n.	F. M. Adams
Greenville	Wayne	381	32	41.7	+ 5.5	71	20	14	7	46	34	2.66	−0.70	1.56	T.	6	10	8	13	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	50	41.2	+ 4.6	66	1	19	7	35	51	4.18	+0.75	1.64	T.	5	8	7	16	n.	John G. Putz
Koshkonong	Oregon	958	40	42.0	+ 3.6	68	1†	17	29	28	41	2.77	−0.71	1.09	2.0	6	10	8	13	sw.	R. M. Hitt

Continued on next page

Climatological Data for December 1941—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.								Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—	*Concluded*																				
Licking(near)	Texas	1,170	4	39 6	......	69	21	5	14	38	4	2.47	......	1.25	4.6	6	13	5	13	n.	U. S. Forestry Service
Marble Hill	Bollinger	470	46	41.0	+ 4.3	69	20	15	7	44	48	2.90	−0.77	1.24	T	7	11	6	14	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	36	42.0	+ 4.2	69	20	17	7	40	37	4.16	+0.17	2.45	T. ¶	4	10	13	8	n.	B. R. Wheetley
Rolla	Phelps	1,202	41	39.3	+ 4.7	69	20	16	29	28	57	2.59	+0.41	1.16	4.0	8	5	11	15	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	104	41.3	+ 6.4	67	20	18	29	27	104	1.20	−1.01	0.45	2.2	8	8	7	16	nw.	**Section Center**
St. Louis Airport	St. Louis	556	4	39.7	......	66	20	16	29	32	10	1.00	......	0.33	2.7	8	7	9	15	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	29	40.6	+ 5.5	67	20	18	29	27	29	0.99	−1.45	0.42	1.9	7	4	5	22	w.	St. Louis University
Salem	Dent	1,173	37	39.4	+ 4.0	69	20	8	14	39	40	2.07	−0.47	1.05	2.0	6	11	8	12	s.	E. E. Martin
Sikeston	Scott	318	34	42.0	+ 4.3	70	20	21	29†	38	41	4 94	+1.00	3.55	0	7	3	17	11	s.	Mrs. Hazelle P. Young
Union	Franklin	520	3	40.6	......	71	20	10	14	46	24	1.34	−0.87	0.52	3.8	8	11	9	11	nw.	Robert Mueller
Wappapello Dam	Butler	475	2	41.2	......	70	20	19	29	39	2	3.81	......	2.41	T	5	19	4	8	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	0	39.8	......	70	20	18	7†	44	1	1.02	......	0.54	1.0	4	..	..	..	s.	John A. Kettinger
West Plains	Howell	1,005	4	39.3	......	69	20	17	7†	40	4	2.77	......	1.06	1.0	8	8	9	14	sw.	U. S. Weather Bureau
Willow Springs	Howell	1,238	0	39.5	......	70	20	15	29	43	31	2.76	−0.04	1.59	T.	4	16	3	12	nw.	G. W. Yarnell
Cairo, Ill.	Alexander, Ill.	315	69	42.8	+ 5.0	67	1	21	29	30	70	3.90	+0.50	2.37	T.	7	4	11	16	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**40.6**	**+ 4.4**	**72**	**20**	**5**	**14**	**48**	..	**2.76**	**−0.15**	**3.96**	**1.1**	**6**	**11**	**7**	**13**	**s.**	
State means	**and extremes**	.....	..	**39.6**	**+ 5.3**	**72**	**20**	**3**	**29**	**48**	..	**2.21**	**+0.06**	**3.96**	**2.1**	**6**	**11**	**7**	**13**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters ª, ᵇ, ᶜ, appearing in the table indicate number of days missing; for example, ᵇ, represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Bragg City, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Edgerton, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, Weingarten, and Willow Springs.

Continued from page 65

on the 23d. The average number of days with 0.01 inch or more was 6.

Snowfall averaged 2.1 inches, or 1.2 inches less than normal. The greatest monthly amount was 8.2 inches at Maryville.

MISCELLANEOUS PHENOMENA

Flood.—In Grand River at Chillicothe from 24th to 26th.

Fogs.—Dense, 1st, 2d, 3d, 4th, 16th, 17th, 18th, 19th, 20th, 22d, 23d, 24th, 25th, 30th, 31st.

Glaze.—11th, 12th.

Hail.—Light, on 22d at Springfield and Lawson; on 23d at Lockwood and Warsaw.

Halos.—Solar, 4th, 9th, 15th, 17th, 21st, 29th, 31st; lunar, 4th, 6th, 9th, 10th, 26th, 27th, 29th.

Sleet.—11th, 12th, 13th, 22d, 29th, 30th, 31st.

Thunderstorms.—Local, 23d, 31st; more or less general, 22d.

Windstorms.—No damaging winds reported.

ERRATA

November 1941, page 60: Days with 0.01 inch or more precipitation at Eldon should be 8; total precipitation at Adance should be 2.53. Page 61: Last line of errata table should read 1st, 13th, and 17th should be 61, 55, and 52 respectively, mean minimum should be 53.1. Page 63: Precipitation on 3d at Advance should be 0.30, total should be 2.53. Page 64: Maximum temperature on 20th and minimum temperature on 3d at West Plains should be 56 and 46 respectively, mean minimum should be 32.7.

December 1941, page 69: Precipitation on 22d and 23d at Sweet Springs should be • and 1.42 respectively, total should be 2.04. Page 70: Minimum temperature on 13th and 30th at Clinton should be 25 and 32 respectively.

Daily Precipitation for December 1941

Stations	Drainage-basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand											.09	.03										.06	1.49		.20	.14			.03	.22		2.26
Amity[2]	....do	.01											.18										.04	1.13	.54	.01	.36			T.	.10	T.	2.37
Bethany	....do											*	.15											1.75		.38				.05	.40		2.73
Bowling Green[2]	Mississippi		T.										.03										.03	.25			.52					.03	0.86
Brookfield	Grand	T.										.12											.23	1.49	.02	.35	T.		T.		.10		2.31
Brunswick[2]	....do	T.											.07										.28	1.03	.24	T.	.37					.03	2.02
Canton, Lock No. 20[2]	Mississippi		.02						T.				.04										.70	.52	.10		.50		T.		T.	.04	1.92
Centralia[2]	....do.												.13										.52	.45	.05		.53				.03		1.71
Chillicothe[2] (A)	Grand	T.											.12										T.	1.04	.36		.34		T.		T.	T.	1.86
Clifton Hill	Chariton											.12											1.03	.84		.36			T.		.02		2.37
Columbia[1]‡	Missouri											.13	T									T.	.89	.45	T.	.28	T.	T.			.01	.05	1.81
Conception	....do											.06	.07										.05	1.31	T.	.31		T.	T.	.06	.11		1.97
Edina[2]	Mississippi		T.										.06										.26	.98	.30		.53					.03	2.16
Elsberry	....do	T.										.12											.20	.69		.16	T.						1.17
Farber[2]	....do												.01										*	.25			.30					.15	0.71
Fayette	Missouri											.12	T.										.63	.67	.04	.20	.12				.04	.03	1.85
Fulton[2]	....do																																
Gallatin[2]	Grand		T.										.12										T.	1.15	.40		.30					.10	2.07
Gorin	Mississippi	T.										.15											.64	.71		*	.79		T.		.16		2.45
Graut City	Grand											.07	T.										T.	1.28	T.	.25	T.			T.	.16		1.76
Hannibal[3] (A)	Mississippi	T.										.08											.53	.19	.01	.57	.04				.03	.18	1.63
Hermann[2]	Missouri		.01										.08	.05									.02	.67			.50						1.33
Kahoka[2]	Mississippi												.04										.55	.35			.38					.08	1.40
Kansas City Airport[1]‡	Missouri	T.	T.			T.						.11	.01									T.	.97	.23	T.	.24	T.	T		T.	.11	.09	1.76
Kansas City University	....do		T.	T.								.09	T.	T.									.09	1.06	.02	.21	T.				.17		1.64
Kidder[2]	Grand												.20										.02	1.40	.10	.08	.36				.10		2.26
King City	Missouri											.17											.03	1.52	.01	.24	.06			.07	.06		2.16
Kirksville	Mississippi	.11	.01									.12											.26	1.22	.03	.22	.36		T.		.31		2.64
LaBelle[2]	....do												.09										.68	.96	.12		.78					.06	2.69
Lawson	Missouri			T.								.21	T.										.09	1.56	T.	.36	.09				.14		2.45
Linneus[2]	Grand												.11										.01	.90	.63		.44			T.		.07	2.16
Louisiana (A)	Mississippi	.30										.03										T.	T.	.30		.40	T.		T.	T.		.05	1.08
Lucerne[2]	Grand												.12											1.05	.30		.46				.09	.02	2.04
Macon[2]	Chariton	.02	T.	.03									.10										.13	1.37	.22	T.	.34			T.		.09	2.30
Madison[2]	Mississippi	.11	T.										.12										.52	.72	.13		.52					.10	2.22
Maryville	Missouri											.05	.02										.02	1.50		.05	.18		T.	.02	.04		1.88
Memphis[2]	Mississippi												.06										.08	1 00	.48		.43						2.05
Mexico[2]	....do												.15										.26	.28	.10		.65	.05				.05	1.54
Milan[2]	Grand		.03										.05											.80	.42	.08	.40				.04	.10	1.92
Moberly	Mississippi	T.										.10	T.										.66	.78			.42				.03	.27	2.26
Monroe City	....do											.06											.82	.39		.40	.21						1.88
Oregon	Missouri										.12												.02	1.33		25				T.			1.72
Palmyra[2]	Mississippi		.04										.06										.55	.58		T.	.70					.10	2.03
Paris[2]	....do	T.											.12										.48	.60	.04		.56	T.				.07	1.87
Perry[2]	....do												.03										.25	.35			.50					T.	1.13
Philadelphia[2]	....do	.07										.10												.64	.12		.24						1.17
Platte City[2]	Missouri												.22										.17	.78	.07		.26				T.		1.50
St. Charles[2]	....do												.25	.02									.01	.61	.01		.30						1.20
St. Joseph[1]‡	....do	T.										.10	.01										.77	.45	T.	.34		T.		T.	.07	.30	2.04
Savertou, Lock No. 22[2]	Mississippi		.03	T.									T.										.17	.28	.02	T.	.57	.08		T.		.03	1.18
Shelbina	....do											*	.08										.91	.60	.02	*	.61		T.		*	.04	2.26
Shelbyville[2]	....do												.10										1.27	.47			.70					.12	2.66
Steffenville[2]	....do	.01										.06	T.										.60	.62	.09	T.	.71					.07	2.16
Tarkio	Missouri											.19											1.50	.78		.09				.08			2.64
Trenton	Grand	.02									*	.10										T.		1.48		*	.37			T.	.14		2.11
Troy[2]	Mississippi	T.											.05	T.									.20	.80	T.		.45	.01				T.	1.51
Unionville[2]	Chariton		T.	T.									.18											.75	.35		.98					.40	2.66
Warrenton	Mississippi	.02										.10	.02	.10									.18	.48		.41	.17						1.48
Keokuk, Iowa[1]†	....do	T.				T.		T.				.04											.75	.79		.46			T.		.08		2.12
Southwestern Division																																	
Altona[2]	Osage												.11										.30	.98			.52						1.91
Anderson (near)	Neosho											.04											.29	.19		.50							1.02
Appleton City	Osage											.08	.07										.27	.22		.43						.18	1.25
Bolivar	....do											.01	.14	.24									.20	.59		.29							1.47
Boonville[2] (A)	Missouri												.20										.70	.48	.09	T.	.36						1.83
Buffalo[2]	Osage												.08	.47									.19	.79			.26						1.79
Butler[2]	....do			T.									.03	.03									.26	.42	.06		.46						1.26
Caplinger Mills[2]	....do											T.	.27									.35	.50	.05			.40					.30	1.87
Carthage	Neosho											.06	.34	.25									.20	1.24		.55							2.64
Clinton[4]	Osage											.15	.05									.05	.68	.04		.44					T.	.23	1.64
Concordia[2]	Missouri												.10	T.									T.	1.13	.53	T.	.25	T.				.07	2.08
Crocker[2]	Osage	.08											T.	.63									.11	1.80	.05		.45						3.12
Eldon[2]	Missouri	.05											.05	.16									.18	1.00	.02		.21						1.67
Eldorado Springs	Osage											.06	.04	.04									.29	.20		.67							1 30
Fort Leonard Wood	Gasconade											.05	.29	.45									.70	.75		.25							2.49
Galena[2]	White												T.	.63									.64	.92	.15		.12						2.46
Hailey	....do											.04	.32	.06									.47	1.02		.24							2.15
Harrisonville[2]	Osage				.01								.06										.20	.65	.03		.52						1.47
Higginsville[2]	Missouri												.02										.17	.63	.02		.27						1.11
Jefferson City[2]	....do												.05	.16									.10	.85			.50						1.66
Joplin[3]	Neosho											.07	.55	T.									.68	.07		.55						.43	2.35
Lakeside[2]	Osage	T.		T.									.08	.22									.27	.96	.02		.25					T.	1.80
Lamar[2]	Neosho												T.	.40									.30	.10	.05		.55					.25	1.65
Lebanon[2]	Osage												.09	.64										1.24			.21						2.18
Lexington[2]	Missouri												.20										.11	1.12	.12		.20					.07	1.82
Lockwood	Osage											.10	.20	.20								T.	.24	.45		.51							1.70
Manes[2]	Gasconade												.08	.70										1.43			.30						2.51
Marshall	Missouri											.20											.39	.95		*	.42				T.		1.96
Mountain Grove	White	.04										.05	.17	.46									.72	.74		.25							2.43
Mount Vernon	Neosho											*	.51	.25								T.	.41	.25		.36							1.78
Neosho	....do				T.							.05	.31	.24			T.					.02	.37	.05		.51						T.	1.55
Nevada	Osage											.09	.09										.29	.19		.63							1.29
Osceola[2]	....do												.09	.10									.30	.45	.05		.40					.40	1.79
Ozark Beach[2]	White												.14	.58									.40	1.25			.22						2.59
Pleasant Hill[2]	Osage			T.									.06										.04	.85	.19		.63				.02	.03	1.82
Roby[2]	Gasconade												.35	.45										1.51			.27						2.58
St. Thomas (near)[2]	Osage												.02	.24										1.30			.30						1.86
Sedalia	Missouri											.11											.77	.66		.33	.16				.02		2.05
Seligman	Neosho											.01	.40	.08									1.10			.39							1.98
Seymour (near)	White											.10	.20	.44									.59	1.11		.27							2.71
Springfield[1]‡	....do		T.									.06	.62	.01		T.						T.	1.51	.03	T.	.24	T.		T.			.11	2.58

Continued on next page

Daily Precipitation for December 1941 Continued from preceding page

Stations	Drainage basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—	*Concluded*																																
Stover³	Missouri												.08										.76	.43		T	.30						1.57
Sweet Springs	....do											.08	T.										T	T	.02	.34	.14	T.			.04		0.62
Warrensburg	....do		T.	T.								.25						T.					.14	.65		.42	.26				T.		1.72
Warsaw (A)	Osage											.12	.01	.06								T.	.57	.76		.21	.07	T.			T.		1.83
Wasola	White	.09	.08									.16	*	.67									*	1.47		.31						.19	2.97
Waverly²	Missouri	.02											.13										.09	.87	.30		.50					.10	2.01
Southeastern Division																																	
Advance⁴	St. Francis				T							.01	.59	.21						T.			2.60	.27		.82						.87	4.90
Alton (near)	Black											.05	.62	.27									1.30	.51		.32							3.07
Annapolis	St. Francis											.02	.10	.69									.92	.35		.20	.02						2.30
Arcadia³	....do	T.			T.								.03	.51	T.								.27	.76	T		.26						1.83
Belleview	Meramec												.81	.14									.48	.60		.29							2.35
Birch Tree (near)	Black											.10	.08	.61									.97	.28		.37							2.41
Bragg City	St. Francis	T.	T.									T.	.15	.47									1.41	.52		*	.42				T.		2.97
Campbell	....do	.02										.01	.15	.61									2.83	1.08		.34	.01						5.05
Cape Girardeau²	Mississippi												T.	.61									.07	3.30	.02		.22						4.22
Caruthersville²	....do		.05	.08									T.	.35									.23	1.05	T.		.40					T.	2.16
Centerville²	Black	.02	T.		T.								.03	.60									.14	.90			.35						2.04
Crystal City	Mississippi	.03										.01	*	.48									.57	.16		*	.29						1.54
Cuba²	Meramec																																....
Deering	St. Francis			.01								.02	.17	.39									1.47	.42		.47					T		2.98
Dexter²	....do			T.									.05	.75						T.			T.	3.96			.37						5.13
Doniphan	Black	.02										.08	.35	.60									1.70	.70		.49							3.94
Farmington	St. Francis	T.										T.	T.	.46									.60	.18		.18	.09				T.		1.51
Fisk²	....do												.06	.79									.41	2.06			.32	T.					3.61
Fredericktown²	....do												T.	.63									.18	.83	.40		.28						2.32
Gerald²	Meramec	T.											.15	.38										.96	.20		.70						2.39
Goodland	Black											.02		.52									.95	.26		.34							2.09
Greenville	St. Francis											T.	.10	.67									1.16	.40		.30	.03						2.66
Jackson	Mississippi											T.		.97									1.64	1.00	.07	.50							4.18
Jerome³	Gasconade												.21	.71										1.39			.43						2.71
Koshkonong	Black											.20	.48	.25									1.09	.38		.37							2.77
Leeper²	....do												T.	.65									.35	1.27	.25		.35						2.87
Licking (near)	Gasconade											.06	.08	.63									.83	.42		.45							2.47
Marble Hill	Mississippi											T.		.50							.12		1.24	.67	.15	.14	.08						2.90
Meramec Park²	Meramec	.02											.09	.25										.52	.03	.84	.42						2.17
Morehouse	Mississippi											T.	.21	.63									2.80	1.46		.33	.03						5.46
New Madrid²	....do			.06									.02	.71	T.								.02	2.73	.03		.42						3.99
Owensville²	Gasconade												.08	.45										.50			.75						1.78
Pacific²	Meramec	.07											.42	.74										.45			.47						2.15
Parma²	St. Francis												T	.80									.25	3.40	T.		.38						4.83
Perryville²	Mississippi													.50									.10	1.00	.20		.20					.60	2.60
Poplar Bluff² (A)	Black												T.	1.00									.26	2.45			.45						4.16
Richwoods²	Meramec	.02											.01	.60										.43			.30						1.36
Rolla⁴	....do	.04										.06	.42	.18									1.16	.11	T.	.46					T.	.16	2.59
St. Louis:																																	
City Office¹‡	Mississippi	.02										.07	.22	.18								T.	.27	.18	T.	.24	T.			T.	T.	.02	1.20
Airport⁴‡	Missouri	T.	T.	T.								.01	.11	.15			T.					T.	.13	.26	.01	.30	T.		T.	T.	T.	.03	1.00
St. Louis Univ.³‡	Mississippi	T			T.							.04	.16	.08									.24	.18	T.	.27				T.	T.	.02	0.99
Washington Univ.²‡	....do												.02	.35									.15	.37	.02		.31						1.22
Salem	Meramec	.11											.06	.50									.75	.30		.35							2.07
Sikeston²	Mississippi												*	.86						.02			.17	3.55		.12	.22						4.94
Union	Meramec	T										*	.06	.42									.19	.33	.04	.20	.10						1.34
Valley Park²	....do	T.	T.										T.	.38									T	.33	.22		.33	T.				T.	1.26
Van Buren	Black											T.	.03	.37									.37	.03		.27							1.07
Wappapello Dam³	St. Francis												.05	.70									.24	2.41			.41						3.81
Weingarten²	Mississippi													.20									.10	.54			.18						1.02
West Plains⁴	Black	.01										.09	.76	.01								T.	1.06	.15		.31						.38	2.77
Williamsville²	....do												T.	.74									.28	1.68	.02								2.72
Willow Sprgs. (near)	White											T.	.26										1.59	.56		.35							2.76
Zalma (near)	Mississippi											T.	T.	.72									2.00	.74		.44							3.90
Cairo, Ill.¹‡	....do.	T.	T.									.01	.61	.13									2.28	.17		.30					T.	.40	3.90

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ||||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for December 1941

(See precipitation data in daily precipitation table)

Station	Data	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly
Lakeside (Osage Dam)	Evaporation	.014	.039	.002	.048	.126	.053	.160	.101	.058	.041	*	*	.118	.036	.033	*	*	.054	.048	.044	.062	.045	.010	.071	.021	.005	.057	.070	.029	*	.069	1.414
	Mean temperature	49	46	52	52	50	40	40	46	39	29	27	30	34	30	34	44	48	46	46	50	45	47	46	38	40	38	32	29	26	29	38	40.0
	Wind movement	8	34	9	26	123	111	33	105	48	23	76	45	41	36	25	86	48	22	33	21	17	61	43	134	62	91	115	83	54	37	48	1,698
St. Louis (Washington University)	Evaporation	.052	.040	.022	.024	.048	.081	.036	.066	.041	.046	....	....	....	....	....	....	....	....	....	....	....	....	....	.112	.020	.005	.037	.022	*	*	*	1.347
	Mean temperature	56	48	50	54	49	34	36	36	37	28	24	28	32	28	34	39	44	45	48	50	49	50	55	38	39	40	32	29	24	27	34	39.2
	Wind movement	9	14	5	9	66	53	24	56	38	43	97	23	40	17	9	11	18	33	4	9	13	59	34	55	15	33	39	36	64	16	18	960

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for December 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	52	52	62	65	52	47	53	47	54	28	26	33	37	39	49	57	65	60	62	67	64	56	45	48	40	45	31	26	32	33	34	47.1
	Minimum	47	43	41	42	43	26	25	37	23	19	17	22	26	20	20	36	33	33	31	34	37	44	44	34	34	33	30	20	17	17	31	30.9
Chillicothe §§	Maximum	50	53	59	60	51	48	52	48	53	26	26	34	36	39	49	58	61	60	61	69	62	56	40	36	39	35	27	24	31	34	32	45.5
	Minimum	45	45	39	43	40	23	24	35	24	13	14	21	25	16	18	36	33	31	31	35	38	43	39	32	32	32	24	15	15	19	25	29.2
Columbia	Maximum	55	52	57	62	56	45	50	45	53	37	26	35	37	39	48	55	65	60	60	68	60	55	53	37	41	39	32	28	32	35	35	46.8
	Minimum	43	40	42	46	34	26	33	30	24	20	23	26	26	19	30	37	33	39	34	40	45	50	34	35	35	31	25	21	17	32	34	32.4
Fayette	Maximum	54	52	57	61	57	46	49	48	54	48	26	32	35	39	49	55	64	58	61	66	60	56	54	36	40	39	34	28	29	32	34	46.9
	Minimum	45	37	40	41	39	23	28	35	22	17	20	22	26	17	23	39	30	30	30	32	37	43	32	32	34	32	26	18	14	26	30	29.7
Grant City	Maximum	51	53	57	63	55	47	58	45	53	37	23	32	34	38	46	56	58	57	60	64	64	57	42	33	35	34	29	25	27	33	32	44.9
	Minimum	46	40	39	43	33	18	33	28	21	8	18	22	15	12	28	32	31	28	31	31	43	41	31	27	29	27	17	11	12	15	17	26.7
Hannibal	Maximum	60	52	56	61	54	42	47	45	48	36	27	34	36	38	47	53	61	58	60	66	62	54	55	38	40	40	31	27	27	31	33	45.8
	Minimum	47	43	38	45	32	23	29	29	24	15	19	24	23	17	27	36	28	36	36	37	40	42	35	34	33	30	25	13	11	25	29	29.8
Kansas City Airport	Maximum	58	52	59	64	53	50	55	46	58	34	27	34	38	44	47	58	58	61	63	67	61	60	45	36	41	39	31	31	35	37	34	47.6
	Minimum	47	38	36	46	34	28	39	31	26	17	23	27	26	25	37	37	34	34	38	42	50	44	32	27	36	30	22	17	20	32	27	32.3
Kirksville	Maximum	53	48	58	59	55	44	46	47	44	41	25	35	35	35	46	55	61	57	61	65	64	55	57	34	37	33	33	23	29	33	32	45.2
	Minimum	46	45	40	40	40	22	31	35	21	12	17	21	24	14	22	35	32	33	35	40	41	48	32	31	31	29	22	13	7	24	26	29.3
Lawson	Maximum	52	50	56	62	56	46	51	49	54	46	23	33	35	39	47	55	58	57	60	67	60	57	55	33	39	37	30	27	28	34	33	46.1
	Minimum	46	45	32	43	37	21	33	33	26	13	21	22	22	19	31	37	37	30	35	38	44	52	31	28	30	30	22	14	16	27	23	30.3
Louisiana	Maximum	61	53	54	60	52	50	47	48	56	53	36	28	35	36	39	48	52	60	60	59	66	62	58	56	39	41	41	31	23	28	32	47.2
	Minimum	47	41	37	42	40	26	30	30	22	21	19	22	21	20	19	34	27	27	28	29	33	35	46	36	36	37	29	23	14	24	27	29.7
Macon §§	Maximum	53	54	59	63	53	45	49	45	52	25	27	33	39	39	49	57	64	61	62	66	64	54	53	37	40	39	30	24	31	34	33	46.3
	Minimum	48	46	38	40	41	23	23	35	22	14	14	20	25	14	14	35	31	32	32	35	38	44	49	33	33	32	27	19	11	12	28	29.3
Maryville	Maximum	52	47	54	61	56	46	52	47	51	37	22	31	32	38	45	53	57	57	56	65	62	58	43	31	34	32	26	23	26	33	27	43.7
	Minimum	45	41	38	41	35	19	32	31	23	9	18	20	14	16	29	32	34	31	29	32	41	43	30	25	28	26	15	10	12	20	12	26.8
Mexico §§	Maximum	60	52	55	60	52	41	48	43	50	25	28	33	35	39	48	54	63	59	62	69	60	48	46	39	40	39	30	28	29	32	37	45.3
	Minimum	48	47	38	38	41	24	20	35	23	18	18	20	22	19	18	33	29	33	33	34	40	45	45	34	34	33	29	20	13	15	28	29.9
Moberly	Maximum	60	58	56	61	58	46	51	46	51	44	25	33	35	34	44	55	62	59	60	62	67	58	52	37	39	36	34	32	31	31	33	46.8
	Minimum	46	43	39	42	41	24	27	29	23	16	19	23	27	15	23	32	33	34	35	34	37	35	34	33	34	32	28	25	14	24	30	30.0
Oregon	Maximum	54	45	57	62	57	48	53	45	53	41	24	32	34	42	48	55	59	58	60	66	62	57	48	34	35	34	29	27	30	37	34	45.8
	Minimum	44	41	42	46	35	23	38	32	27	10	20	19	16	21	32	35	40	32	34	39	48	45	29	28	28	27	17	12	16	27	19	29.7
St. Charles §§	Maximum	64	54	64	64	53	44	49	46	32	34	34	49	38	46	46	51	60	61	64	61	68	54	62	40	42	42	33	33	31	35	44	48.3
	Minimum	51	44	44	44	47	27	27	34	25	12	24	29	18	23	30	30	29	33	35	33	35	35	35	36	37	39	32	25	17	20	28	31.5
St. Joseph	Maximum	55	46	55	63	50	49	52	41	53	26	24	33	35	41	47	55	57	58	61	67	63	57	40	33	38	36	28	27	33	36	31	44.9
	Minimum	44	42	39	47	31	27	41	31	26	13	21	24	21	24	37	36	40	32	35	42	49	39	30	26	33	28	17	15	19	29	22	31.0
Trenton	Maximum	56	57	57	61	55	48	51	49	54	50	25	32	37	37	48	60	59	59	64	69	61	56	53	36	37	34	31	26	27	34	33	47.0
	Minimum	44	45	34	41	38	24	32	36	22	12	19	20	23	15	27	36	31	30	34	32	40	50	34	32	33	30	25	15	18	25	23	29.7
Unionville §§	Maximum	55	51	56	62	50	46	49	41	50	22	25	33	36	36	46	56	60	58	60	65	62	58	49	47	48	33	25	22	28	34	32	45.0
	Minimum	44	42	36	39	37	10	18	33	18	9	7	18	21	10	10	32	30	31	30	31	33	43	38	28	28	30	20	10	3	10	20	24.8
Warrenton	Maximum	61	53	56	64	63	49	49	49	48	48	26	33	34	40	45	53	61	59	59	67	61	58	58	55	40	40	37	32	32	35	36	48.4
	Minimum	47	47	41	45	43	25	26	37	26	21	19	22	30	18	23	39	32	40	39	38	40	46	46	34	35	36	30	22	14	24	32	32.8
Keokuk, Iowa	Maximum	58	54	57	60	53	41	47	43	48	29	26	32	35	39	47	50	60	57	57	66	60	55	54	40	38	35	31	23	27	34	32	44.8
	Minimum	49	44	38	46	31	24	32	30	27	15	19	23	23	18	30	34	30	35	37	39	42	46	40	35	32	31	23	14	12	26	30	30.8
Southwestern Division																																	
Clinton	Maximum	55	54	62	66	57	49	52	47	55	37	28	38	40	42	44	57	64	61	65	65	61	60	53	38	42	39	32	33	35	40	40	48.7
	Minimum	45	41	39	43	34	25	32	27	24	21	23	25	29	23	31	37	34	35	32	36	41	50	32	32	34	29	26	19	18	29	32	31.5
Eldon §§	Maximum	56	53	61	65	53	42	52	45	55	30	28	34	36	37	43	55	65	59	64	69	60	57	50	41	42	40	32	32	35	38	40	47.4
	Minimum	46	40	39	41	44	27	25	28	24	24	21	20	28	16	18	32	34	34	37	36	37	40	45	33	34	37	29	23	17	16	26	30.7
Harrisonville §§	Maximum	58	55	58	62	52	48	53	47	55	27	29	33	40	42	43	57	60	61	64	65	58	56	40	42	40	35	29	32	34	37	33	46.6
	Minimum	43	44	33	36	37	22	28	35	25	12	18	21	26	22	27	33	36	35	34	34	39	45	38	27	28	34	26	16	16	21	31	29.7
Jefferson City §§	Maximum	58	53	58	60	52	46	53	45	54	31	25	34	36	37	45	54	64	59	61	68	61	55	43	41	52	38	32	32	32	34	40	46.9
	Minimum	43	45	38	40	40	24	24	35	24	21	19	20	25	17	19	30	32	32	35	36	36	41	43	33	36	31	28	20	14	16	27	29.8
Joplin	Maximum	55	51	62	64	61	49	51	48	54	42	30	36	35	41	40	53	66	61	64	67	58	64	56	48	46	40	30	30	41	49	46	49.6
	Minimum	46	39	37	47	38	30	35	36	29	29	27	30	31	29	33	39	42	43	42	45	50	56	34	31	37	29	24	22	23	36	34	35.6
Lamar §§	Maximum	55	49	62	65	55	52	53	51	56	39	33	37	40	45	42	55	67	68	67	69	61	62	43	47	44	41	33	37	40	45	45	50.3
	Minimum	41	37	27	27	37	21	21	30	21	23	23	22	27	22	26	29	32	36	32	32	34	43	36	24	24	31	31	20	16	19	28	28.1
Lebanon §§	Maximum	63	52	67	64	56	52	50	51	57	40	28	44	31	40	40	60	65	67	70	70	63	56	56	45	40	37	31	40	44	38	46	50.3
	Minimum	45	40	38	40	40	24	24	33	22	23	20	21	26	13	13	26	35	36	36	38	41	41	43	30	30	34	26	22	16	15	28	29.6
Lexington §§	Maximum	54	53	60	64	52	49	53	46	55	28	30	35	39	42	48	59	61	61	63	68	61	59	41	39	37	35	30	40	34	34	32	47.2
	Minimum	47	47	37	41	39	26	29	36	28	16	16	23	27	23	27	35	37	36	37	37	43	50	40	31	31	26	20	18	16	22	29	31.3
Marshall	Maximum	54	53	58	60	60	56	50	49	51	49	25	32	37	39	47	54	63	56	58	64	61	59	56	35	38	40	37	27	30	33	34	47.3
	Minimum	46	45	40	43	41	24	33	31	25	17	22	23	27	20	20	40	35	36	36	39	43	50	33	32	32	23	26	16	16	27	31	31.4
Mountain Grove	Maximum	62	52	58	59	54	46	50	46	48	42	34	35	34	38	45	58	59	63	64	67	57	54	54	49	43	39	35	36	36	37	52	48.6
	Minimum	49	37	35	43	40	26	25	35	24	29	20	24	27	16	26	35	34	40	39	42	41	44	37	30	32	34	25	23	16	25	32	31.8
Neosho	Maximum	64	54	63	64	62	50	54	49	51	48	39	38	37	44	42	54	68	62	60	59	61	63	58	48	46	45	38	35	44	51	48	51.6
	Minimum	46	43	32	41	40	23	29	36	22	25	28	29	32	24	28	37	34	35	30	32	42	54	34	28	33	35	21	20	18	35	32	32.2
Nevada	Maximum	60	52	60	65	58	50	54	50	54	45	30	47	41	44	42	56	63	62	66	66	61	61	66	45	43	43	33	34	38	43	43	50.8
	Minimum	43	38	33	41	38	23	29	33	22	22	24	26	29	24	28	38	36	35	32	32	43	51	30	25	30	33	28	22	20	34	33	31.5
Sedalia	Maximum	56	52	61	63	58	47	48	49	55	47	27	35	36	40	46	56	65	59	61	66	63	60	55	38	44	41	34	30	34	36	35	48.3
	Minimum	46	45	41	45	40	24	33	35	24	20	20	23	30	22	30	39	37	35	35	39	50	50	33	32	34	33	28	18	17	29	31	32.8
Springfield	Maximum	57	50	57	61	56	45	52	45	48	38	29	38	31	35	38	54	63	59	62	66	58	55	50	47	40	39	31	32	35	40	50	47.1
	Minimum	41	38	36	44	35	26	29	30	23	26	25	27	18	20	26	36	34	37	37	36	41	48	32	29	35	28	25	20	19	30	37	31.2
Warrensburg	Maximum	56	53	60	64	59	47	52	50	54	48	26	36	38	40	46	57	62	58	62	65	65	60	60	45	42	39	33	31	33	36	36	48.8
	Minimum	46	44	41	45	39	24	32	36	26	17	22	23	30	21	31	40	38	38	38	37	45	50	32	32	33	32	26	17	17	25	29	32.5
Southeastern Division																																	
Arcadia §§	Maximum	69	57	62	63	55	45	48	48	51	38	28	34	33	42	59	59	61	63	67	70	60	57	63	42	44	42	35	40	39	38	50	50.4
	Minimum	43	34	34	40	47	27	18	24	20	20	19	21	26	18	19	26	27	27	29	22	27	45	44	35	36	37	28	25	18	19	19	28.2
Birch Tree (near)	Maximum	63	57	63	63	56	46	48	50	50	44	36	33	35	43	49	58	60	65	67	64	59	59	60	60	51	45	40	39	39	35	52	51.3
	Minimum	38	34	40	39	44	26	16	32	26	26	24	23	30	20	19	26	30	31	29	29	36	51	40	34	33	34	21	22	13	22	28	29.5
Caruthersville §§	Maximum	64	55	58	61	61	45	49	54	48	49	36	43	40	42	50	53	60	54	64	70	63	58	66	49	48	49	45	37	36	42	59	51.9
	Minimum	40	46	46	45	49	32	24	25	25	25	26	27	34	22	26	26	30	33	37	30	32	42	49	34	34	35	28	27	23	23	29	32.4
Crystal City	Maximum	67	56	55	65	57	44	47	48	52	36	28	35	34	37	46	55	58	59	64	70	63	53	63	42	44	43	43	39	32	34	41	48.7
	Minimum	41	39	40	39	35	24	18	32	22	24	19	26	25	16	16	25	25	34	28	24	26	37	40	35	38	39	39	20	18	25	33	29.1
Duniphan	Maximum	69	59	67	64	60	49	51	54	52	47	36	37	43	44	51	59	62	67	70	72	62	56	66	48	44	50	45	41	36	37	56	53.4
	Minimum	41	38	41	44	37	24	14	30	18	20	24	25	34	18	27	40	31	28	22	24	24	44	43	34	32	33	20	20	14	20	34	29.0
Farmington	Maximum	60	60	53	57	57	..	..	..	50	44	30	33	33	36	45	58	58	57	63	68	60	56	61	52	44	41	40	37	35	35	45	^{c}48.9
	Minimum	47	36	37	43	46	28	22	36	25	29	20	24	29	13	22	32	29	39	31	28	41	46	41	31	38	39	30	27	20	24	33	31.8
Jackson	Maximum	66	60	61	60	56	56	46	48	47	42	31	37	37	37	45	52	57	58	62	63	58	56	62	55	46	46	41	34	35	36	49	49.6
	Minimum	46	35	42	52	49	30	19	36	22	26	21	28	32	22	23	32	26	35	38	28	29	48	49	38	38	36	31	29	22	24	35	32.9
Poplar Bluff	Maximum	67	62	63	62	58	44	50	52	56	47	36	36	39	45	41	57	60	61	68	69	63	56	66	59	51	49	43	41	34	37	54	52.5
	Minimum	37	41	43	50	41	32	17	31	23	27	21	22	26	20	20	37	29	37	37	29	33	32	46	43	37	35	24	27	18	21	36	31.4
Rolla	Maximum	63	53	57	62	54	43	50	44	52	38	25	35	31	34	40	55	61	58	61	69	59	54	57	38	41	39	31	33	32	35	43	46.7
	Minimum	47	44	40	47	36	24	25	29	24	20	19	24	22	18	27	38	34	42	41	42	42	48	33	34	37	30	27	19	16	26	34	31.9
St. Louis	Maximum	64	54	57	63	58	41	48	48	48	41	29	36	34	37	47	51	58	59	60	67	61	54	63	39	43	43	34	32	31	36	41	47.6
	Minimum	52	48	48	52	40	28	30	35	31	23	21	27	29	23	30	37	35	46	42	41	44	48	36	35	39	34	29	23	18	25	36	35.0
Salem	Maximum	67	55	61	62	54	43	49	45	50	39	27	37	35	38	46	58	60	59	63	69	58	55	57	38	42	44	35	36	35	34	48	48.4
	Minimum	46	44	37	39	42	25	23	35	21	25	19	24	23	8	21	32	29	39	33	30	39	45	38	34	36	34	27	24	15	25	34	30.5
Sikeston §§	Maximum	67	56	56	61	61	45	50	55	51	43	34	39	38	41	50	53	60	62	66	70	62	56	66	45	47	50	38	36	30	40	55	51.1
	Minimum	50	41	43	43	43	31	22	33	25	27	23	25	32	24	25	26	30	31	41	32	39	50	47	38	40	36	26	31	21	21	27	33.0
Union	Maximum	66	59	57	68	60	48	52	49	53	48	28	34	38	40	47	59	64	62	66	71	64	59	62	50	43	42	40	37	34	38	43	51.0
	Minimum	43	39	44	39	44	26	20	38	21	25	20	24	30	10	16	29	26	36	28	25	29	49	44	35	37	33	30	24	17	25	34	30.3
West Plains	Maximum	67	55	62	62	54	47	49	48	51	46	28	36	36	41	46	58	62	62	66	69	58	56	58	48	42	41	46	38	39	37	50	50.3
	Minimum	41	36	37	45	38	22	17	24	20	23	22	25	22	18	19	33	27	32	30	29	30	45	36	32	33	29	21	21	17	24	28	28.3
Cairo, Ill.	Maximum	67	57	56	59	58	43	47	50	47	41	31	41	38	39	48	49	57	59	60	65	60	56	64	45	48	47	37	34	33	40	56	49.4
	Minimum	54	46	44	50	43	33	29	38	28	27	25	31	31	27	30	35	33	44	47	35	43	49	43	39	38	37	32	28	21	26	40	36.3

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^{a}, ^{b}, ^{c}, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 1-27-42—1150.

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UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLV ANNUAL SUMMARY 1941 No. 13

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

Only a brief review of the highlights of the prevailing weather and climatic features and their effect on crops, for the year 1941, are given here. For details, reference should be made to monthly publications of Climatological Data for Missouri.

The year 1941 was warmer and wetter than normal, but the excess of heat and moisture was not very pronounced for the State as a whole. However, individual months showed wide variation from the normals with respect to both temperature and precipitation. December averaged more than 5 degrees warmer, and October more than seven inches wetter, than normal. Only two months, February and March, had sub-normal averages, while five months, January, April, September, October, and December had precipitation averages in excess of normal.

Temperature extremes this year were well within the limits of other years. The extreme low of zero was the highest minimum of record, the first year in the climatic history of the State that the temperature did not register below zero. All Divisions of the State averaged warmer than normal, the Northern Division having the greatest excess. The growing season was longer than average and there was no damage from killing frosts in the fall, as crops had reached maturity before the occurrence of killing frost.

Precipitation for the year was slightly more than normal for the State as a whole, but was very irregularly distributed. A number of stations received over fifty inches for the year, while some others received less than thirty inches. The Southeastern Division averaged 5.78 inches less than normal, while the average for the Northern and Southwestern Divisions was 4.69 and 7.06 inches, respectively, more than normal. February, March, and May were unusually dry and October was unusually wet, in fact the wettest October of record and the second wettest of any month of record. Snowfall for the year averaged considerably less than normal.

Flood conditions prevailed in the lower Missouri River, the lower Osage, the Gasconade at Jerome, the Bourbeuse at Union, and in the Meramec, below Sullivan, in April. Also in the Missouri and Grand Rivers, and small streams in the northwestern portion of the State in June. In October widespread flood conditions prevailed in the eastern third and south-central portion of the State and continued into the first part of November in the eastern portions.

Four tornadoes were recorded in 1941, two in April and two in October. In addition to these tornadoes several damaging windstorms occurred in the spring, summer, and fall months. One damaging hailstorm occurred in May at Maryville and vicinity.

A month to month account of the weather and the effect on crops during 1941, briefly stated, are given below.

Weather conditions were quite favorable during the early spring months, and work of preparing the ground and seeding got off to an early start. There was some winter killing of the winter wheat crop and fruits. Beneficial rains and mild weather during April were highly favorable for crops, but warm, dry weather and excessive sunshine in May was unfavorable. Flood conditions in lowlands along the Missouri and Grand Rivers in June were damaging and necessitated much replanting of corn in flood areas. Hot, dry weather the latter half of July continued the first three weeks of August and resulted in severe drought conditions and severe damage to all growing crops, except in some areas favored by rains. These drought conditions were relieved to a great extent the latter part of August and a serious water shortage was partially replenished as well as revival of some crops and grasses. Cotton in the southeastern counties was not seriously affected by the drought and a bumper crop was in prospect. The drought was completely broken, except in the southeastern portion, in September, and rapid and rank growth of growing crops and grasses resulted. Water supplies were adequately restored. Light frost formed in exposed places

(Continued on page 74)

CONDENSED STATE SUMMARY FOR 1941

Month	Temperature				Precipitation				
	Mean	Departure from Normal	Maximum	Minimum	Mean	Departure from Normal	Greatest	Least	No. Days with .01 or more
January	34.7	+ 4.0	70	0	3.41	+1.00	5.74	0.93	11
February	32.7	− 0.4	66	0	0.58	−1.48	1.94	0.10	5
March	40.5	− 3.4	78	7	0.78	−2.41	2.98	0.10	5
April	59.2	+ 4.0	90	29	4.49	+0.54	11.01	1.06	10
May	68.9	+ 4.4	97	35	2.29	−2.39	6.18	0.35	8
June	74.1	+ 0.5	103	43	4.23	−0.40	8.21	0.67	9
July	79.3	+ 1.2	110	46	2.75	−0.87	8.16	0.46	7
August	79.2	+ 2.6	106	49	3.15	−0.67	7.46	0.51	8
September	71.6	+ 2.2	97	35	5.83	+1.82	11.33	0.33	9
October	61.6	+ 3.9	92	20	10.14	+7.17	16.67	4.60	17
November	45.5	+ 1.2	85	10	2.29	−0.39	4.57	0.63	7
December	39.6	+ 5.3	72	3	2.21	+0.06	5.46	0.71	6
Year	57.2	+ 2.1	110	0	42.15	+1.99	16.67	0.10	102

COMPARATIVE ANNUAL DATA FOR MISSOURI

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average Northern Division	Average Southwestern Division	Average Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	52.9	111	−32	40.40	39.67	41.36	40.17	....	81	....	....	....
1889	54.3	107	− 9	38.19	36.97	40.35	37.26	....	85	....	....	....
1890	54.7	110	−19	39.51	31.07	42.08	45.39	....	82	....	....	....
1891	53.9	104	−13	37.18	37.28	37.71	36.54	....	93	....	....	....
1892	52.8	102	−31	44.77	41.62	47.88	44.80	....	92	....	....	....
1893	52.7	107	−20	39.17	35.42	38.99	43.10	....	77	141	95	130
1894	55.1	111	−35	34.61	26.97	38.27	38.58	....	73	155	117	93
1895	52.9	106	−26	40.03	36.74	43.42	39.92	15.4	85	170	120	75
1896	55.5	108	−10	40.37	39.65	39.79	41.68	23.7	86	161	108	96
1897	55.0	108	−16	40.56	35.18	37.46	49.03	12.6	86	154	111	101
1898	54.4	104	−20	54.26	51.87	54.12	56.80	19.5	102	167	104	94
1899	54.0	108	−32	37.93	36.34	36.81	40.64	18.6	82	162	102	101
1900	55.6	105	−16	39.00	35.73	39.57	41.70	28.8	90	166	110	89
1901	55.5	116	−29	25.86	23.36	26.56	27.66	18.5	72	171	106	88
1902	54.1	103	−17	45.01	42.71	48.98	43.33	19.2	103	190	98	77
1903	53.6	102	−25	40.63	38.78	42.79	40.31	16.7	96	159	103	103
1904	53.2	100	−23	42.06	41.59	42.43	42.16	16.5	89	170	96	99
1905	53.6	103	−40	47.00	39.82	51.84	49.35	18.8	97	180	99	87
1906	55.0	101	−13	39.43	30.26	38.78	49.25	22.3	98	174	91	100
1907	55.4	109	−15	40.91	37.01	41.92	43.81	28.2	95	165	89	111
1908	56.8	102	−10	43.81	37.66	47.24	46.54	12.8	91	173	82	110
1909	55.8	110	−20	45.27	44.94	42.95	47.92	9.7	92	184	92	90
1910	54.6	109	−24	37.81	31.96	37.99	43.48	18.3	82	173	90	102
1911	56.7	113	−19	37.43	38.04	37.92	36.33	17.2	88	183	81	101
1912	53.5	105	−36	38.99	32.53	38.82	45.62	15.2	81	166	86	113
1913	56.5	110	−12	38.20	33.14	35.96	45.50	39.6	87	192	80	94
1914	56.1	109	−18	34.68	32.21	36.43	35.41	26.0	81	174	80	111
1915	55.0	102	−24	49.84	48.57	51.74	49.22	26.4	98	171	86	108
1916	55.3	109	−29	40.62	38.58	41.08	42.19	25.3	87	160	86	119
1917	52.6	107	−23	32.21	28.70	31.92	36.01	18.2	80	191	77	98
1918	55.4	111	−25	37.69	32.60	37.19	43.29	13.9	84	186	83	96
1919	55.3	106	−23	40.27	36.73	40.46	43.62	27.2	86	185	80	100
1920	54.3	105	−10	37.56	33.62	38.66	40.40	10.2	89	181	81	103
1921	58.2	109	− 8	44.70	39.16	46.40	48.54	15.4	92	171	82	113
1922	56.8	108	− 6	39.68	37.50	41.64	39.90	11.1	85	173	93	99
1923	55.3	108	−11	42.18	33.43	42.47	50.64	8.2	98	192	80	93
1924	53.0	106	−28	40.03	35.28	44.39	40.41	8.6	92	165	88	112
1925	55.6	110	−15	39.15	38.83	36.81	41.82	28.3	84	173	91	102
1926	54.5	108	−20	42.92	42.35	43.85	42.57	16.4	95	171	94	100
1927	55.6	102	−24	55.53	42.03	59.85	64.70	23.2	101	160	86	119
1928	55.2	102	−18	45.88	41.22	46.01	50.40	13.4	90	163	91	111
1929	53.5	105	−23	46.72	44.13	45.56	50.48	6.8	102	174	94	98
1930	55.9	114	−31	31.38	26.71	34.90	32.53	22.3	75	155	93	117
1931	58.0	110	− 5	40.31	41.10	38.85	40.97	17.6	93	194	84	87
1932	55.6	109	−21	38.24	35.88	36.74	42.09	14.2	85	175	82	108
1933	57.3	108	−22	37.62	29.65	37.05	46.16	16.0	86	178	93	95
1934	57.4	117	−26	35.08	30.66	34.92	39.66	8.0	82	175	95	95
1935	55.0	110	−12	48.04	42.33	49.12	52.66	23.0	106	187	89	89
1936	56.3	118	−25	29.42	26.48	30.03	31.73	5.0	73	144	89	132
1937	54.5	105	−15	37.30	29.85	36.16	45.89	15.8	93	196	86	84
1938	58.4	110	− 9	41.00	36.86	42.36	43.83	15.3	92	160	96	109
1939	57.4	108	− 9	38.25	36.16	35.92	42.68	10.0	93	182	90	93
1940	54.0	111	−28	32.42	28.22	34.22	34.84	23.3	94	181	96	88
1941	57.2	110	0	42.15	41.10	48.07	37.31	25.1	102	159	94	113
Period	**55.1**	**118**	**−40**	**40.17**	**36.41**	**41.01**	**43.09**	**17.9**	**89**	**172**	**92**	**101**

Natural History Library

Climatological Data for Year 1941

Stations	Counties	Elevation, feet	Temperature (Degrees Fahrenheit)						Precipitation (inches)							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total	Greatest monthly	Month	Least monthly	Month	Total snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy	
Northern Division																				
Bethany	Harrison	916	47	54.8	106	July 24	2	Jan. 18	49	41.04	8.37	Oct.	0.81	Feb.	29.4	96	190	70	105	se.
Brunswick	Chariton	652	61	56.0	103	July 29	6	Jan. 19	63	44.57	10.16	Oct.	0.56	Feb.	19.4	108	185	36	144	sw.
Canton, Lock & Dam 20	Lewis	488	4	54.8	102	July 29	0	Jan. 19	12	38.38	10.57	Oct.	0.14	Feb.	20.6	115	155	99	111	nw.
Chillicothe	Livingston	779	33	55.3	103	July 29	4	Jan. 18†	36	37.68	8.62	Oct.	0.46	Feb.	19.0	108	186	71	108	nw.
Clifton Hill	Randolph	731	43	56.3	103	July 29	3	Jan. 18	33	38.06	11.33	Oct.	0.45	Feb.	26.5	100	160	87	118	sw.
Columbia	Boone	740	52	57.3	102	July 29	8	Jan. 19	52	49.59	13.44	Oct.	0.31	Feb.	11.0	113	109	135	121	s.
Conception	Nodaway	980	53	55.1	103	July 23†	0	Jan. 18	58	35.92	7.31	Oct.	0.54	Feb.	29.0	96	123	142	100	nw.
Elsberry	Lincoln	449	11	56.2	101	July 29	7	Jan. 19	11	45.65	12.80	Oct.	0.45	Feb.	11.0	90	138[d]	136[d]	87[d]	sw.
Fayette	Howard	760	62	55.8	102	July 23†	4	Jan. 18	59	40.19	12.40	Oct,	0.27	Feb.	18.0	122	165	72	128	s.
Grant City	Worth	1,134	38	54.1	105	July 24	1	Jan. 18	50	39.94	9.17	Oct.	0.28	Feb.	26.5	90	120	125	120	sw.
Hannibal	Marion	759	50	55.4	103	Aug. 11	3	Jan. 18	58	46.45	10.36	Sept.	0.56	Feb.	23.5	113	128	66	171	sw.
Kansas City Airport	Jackson	741	53	57.3	103	July 23	5	Jan. 18	53	46.62	11.94	Oct.	0.58	Feb.	23.8	113	99	111	155	sw.
Kansas City University	Jackson	908	4	57.3	102	July 23†	5	Jan. 18	4	46.04	11.23	Oct.	0.56	Feb.	19.8	113	118	111	136	sw.
Kidder	Caldwell	1,020	50	54.7	102	July 24	2	Jan. 18	54	39.43	7.31	Oct.	0.43	Feb.	18.6	97	178	80	107	sw.
Kirksville	Adair	969	53	55.2	104	July 24	2	Jan. 18	60	40.11	11.11	Oct.	0.66	Feb.	31.4	111	164	120	81	sw.
Lawson	Ray	1,070	4	55.4	101	July 23†	3	Jan. 18	4	45.89	11.79	Oct.	1.03	Feb.	26.2	112	109	145	111	nw.
Louisiana	Pike	469	48	56.0	102	July 29	2	Jan. 19	61	52.63	16.50	Oct.	0.30	Feb.	16.5	81	199	65	100	w.
Macon	Macon	875	43	55.3	103	July 24†	3	Jan. 18	49	38.14	9.98	Oct.	0.53	Feb.	17.6	109	167	92	106	sw.
Maryville	Nodaway	1,169	52	54.1	103	July 23†	1	Jan. 18	48	39.83	8.65	Oct.	0.75	Feb.	31.9	101	154	54	157	nw.
Memphis	Scotland	787	3	53.6	104	July 24†	0	Feb. 19†	12	36.94	8.62	Oct.	0.25	Feb.	22.1	88	145	79	141	sw.
Mexico	Audrain	800	53	55.8	104	July 29	5	Jan. 18†	64	52.99	15.43	Oct.	0 40	Feb.	20.5	112	..	..	..	sw.
Moberly	Randolph	875	5	56.7	102	July 24†	5	Jan. 18	5	44.26	12.70	Oct.	0.33	Mar.	16.7	99	200	75	90	sw.
Oregon	Holt	1,048	86	55.8	106	July 23	0	Jan. 18	86	37.18	8.50	Oct.	0.52	Feb.	40.0	91	175	105	85	sw.
St. Charles	St. Charles	520	54	58.1	105	July 24†	10	Jan. 19	64	32.73	7.07	Oct.	0.45	Feb.	15.6	95	191	92	82	s.
St. Joseph	Buchanan	957	32	55.9	103	July 23	4	Jan. 18	70	37.80	6.59	Oct.	0.20	Feb.	29.1	123	101	115	149	s.
Saverton	Ralls	472	4	56.3	101	July 29	7	Jan. 19†	4	52.00	10.89	Sept.	0.73	Feb.	19.6	102	142[a]	161[a]	61[a]	se.
Steffenville	Lewis	650	44	54.3	110	July 23	2	Jan. 19	49	38.55	10.97	Oct.	0.74	Feb.	27.0	102	128	148	89	s.
Tarkio	Atchison	916	39	53.5	105	July 23	1	Jan. 18	48	50.13	12.10	Oct.	1.00	Mar.	27.0	86	125	106	134	sw.
Trenton	Grundy	822	46	56.0	105	July 24	4	Jan. 18	47	37.19	9.91	Oct.	0.59	Feb.	26.8	108	170	120	75	s.
Unionville	Putnam	1,062	49	53.3	107	July 24	0	Jan. 18†	49	39.13	7.75	Oct.	0.44	Feb.	30.5	97	188	68	109	sw.
Warrenton	Warren	816	60	57.6	103	July 23†	5	Jan. 19	52	45.98	11.63	Oct.	0.70	Feb.	26.0	105	100	146	119	sw.
Keokuk, Iowa	Lee, Iowa	574	70	55.2	104	July 29	2	Feb. 19	70	35.80	11.29	Oct.	0.40	Mar.	14.6	113	122	94	149	sw.
Division means	**and extremes**		..	**55.6**	**110**	**July 23**	**0**	**Jan. 18†**	..	**41.10**	**16.50**	**Oct.**	**0.10**	**Feb.**	**22.9**	**104**	**152**	**97**	**116**	**sw.**
Southwestern Division																				
Anderson(near)	McDonald	1,000	38	58.1	100	July 18†	3	Jan. 19	43	51.87	11.14	Oct.	0.82	May	14.0	90	133[e]	145[e]	82[e]	sw.
Appleton City	St. Clair	813	47	57.4	102	July 22†	5	Jan. 18†	50	49.79	11.12	Sept.	0.12	Feb.	8.8	105	174	32	159	sw.
Bolivar	Polk	1,071	39	58.4	104	July 29	8	Jan. 18	47	45.37	11.90	Oct.	0.64	Feb.	13.1	112	151	103	111	sw.
Boonville	Cooper	650	4	55 5	102	July 23	6	Jan. 18	65	41 97	10.14	Oct.	0.14	Feb.	7.2	93	167	53	145	sw.
Carthage	Jasper	962	8	58.8	100	July 29	8	Jan. 18	18	52 86	14.52	Oct.	0.82	Feb.	14.2	107	173	111	81	sw.
Clinton	Henry	786	49	57.6	104	July 29	6	Jan. 18	55	42.68	9.23	Oct.	0.26	Feb.	7.8	114	27	217	121	sw.
Eldon	Miller	934	47	56.7	102	Aug. 11	9	Jan. 19	43	51 51	12.88	Oct.	0 28	Feb.	12.5	114	..	..	..	s.
Harrisonville	Cass	904	64	56.0	103	July 23†	4	Jan. 18†	67	48.53	14.20	Oct.	0.72	Mar.	15.5	114	105	87	173	nw.
Jefferson City	Cole	557	52	55.7	103	July 29	8	Jan. 18†	60	51.45	14.12	Oct.	0 42	Feb.	15 0	109	193	53	119	s.
Joplin	Jasper	1,008	20	59.3	97	July 18	8	Jan. 18	37	56.36	16.67	Oct.	0.72	Feb.	....	106	..	..	..	......
Lakeside	Miller	595	11	57.6	103	July 23†	11	Jan. 18†	11	52.37	11.53	Oct.	0.50	Feb.	....	112	..	..	..	sw.
Lamar	Barton	980	54	56.9	103	July 23†	5	Jan. 18†	61	57.07	15.52	Oct.	0.62	Mar.	7.0	86	188	58	119	sw.
Lebanon	Laclede	1,265	54	56.8	103	July 23	7	Feb. 8	55	44.61	11.13	Oct.	0.37	Mar.	9.3	100	129	103	133	s.
Lexington	Lafayette	688	57	56.9	102	July 23†	4	Jan. 18	58	48.86	10.64	Oct.	1.19	Mar.	28 0	118	176	103	86	s.
Lockwood	Dade	1,078	36	58.8	106	July 23	8	Jan. 18	46	50.01	12 24	Oct.	0.78	May	21.5	102	170	104	91	sw.
Marshall	Saline	779	55	56.8	100	July 23†	5	Jan. 18	52	38.69	10.96	Oct.	0.15	Feb.	16.5	93	214	75	76	sw.
Mountain Grove	Wright	1,463	41	57.4	99	Aug. 10†	9	Feb. 8	45	48.12	9.99	Oct.	0.67	Mar.	5.6	125	76	214	75	se.
Mount Vernon	Lawrence	1,174	30	58.9	100	July 17†	6	Jan. 18	42	51.67	15.23	Oct.	1.03	Feb.	19.3	102	81[e]	142[e]	137[e]	se.
Neosho	Newton	1,011	55	58.9	100	July 25	4	Jan. 19	59	58 02	15.15	Oct.	1.20	Feb.	14.8	106	146	91	128	s
Nevada	Vernon	862	49	58.5	104	July 29	5	Jan. 18†	50	52.13	12.69	Oct.	0.39	May	15.3	106	193	67	105	sw.
Ozark Beach	Taney	700	2	59.4	103	July 18	12	Feb. 8	17	47.19	9.37	Oct.	0.85	Mar.	6.5	101	..	..	..	......
Sedalia	Pettis	910	29	58.0	104	July 29	5	Jan. 18	31	44.70	12.79	Oct.	0.17	Feb.	5.9	109	179	66	120	se.
Seligman	Barry	1,542	41	57.5	95	July 18†	7	Jan. 18†	39	53.73	13.83	Oct	0.90	Mar.	14.5	88	162[f]	118[f]	79[f]	sw.
Seymour(near)	Webster	1,642	36	56.3	97	July 23	9	Jan. 18	36	49.46	9.59	Oct.	0.67	Mar.	11.9	103	160	92	113	s.
Springfield	Greene	1,301	54	56.8	99	July 23	8	Jan. 18	54	47.31	8.86	Oct.	0.96	Feb.	20.3	119	87	118	160	s.
Warrensburg	Johnson	878	55	57.7	104	July 23	5	Jan. 18	62	40.15	7.79	Oct.	0.19	Feb.	15.8	106	141	89	135	sw.
Warsaw	Benton	687	41	58.4	107	July 23†	5	Jan. 18	47	54.43	11.93	Oct.	0.30	Feb,	10.0	109	101	182	82	s.
Division means	**and extremes**		..	**57.6**	**107**	**July 23†**	**3**	**Jan 19**	..	**48.07**	**16.67**	**Oct.**	**0.10**	**Feb.**	**13.2**	**106**	**148**	**104**	**113**	**sw.**
Southeastern Division																				
Advance	Stoddard	354	5	58.1	104	Aug. 11	12	Mar. 17†	5	38.41	6.51	Oct.	0.87	Feb,	0.8	105	107	132	126	sw.
Arcadia	Iron	926	61	57.0	102	July 1†	9	Jan. 19	64	40.83	11.51	Oct.	0.65	Mar.	5.1	97	162	93	110	......
Birch Tree(near)	Shannon	1,000	47	57.6	101	July 18†	8	Jan. 19†	48	39.62	10.79	Oct.	0.85	Feb.	8.0	87	203[d]	74[d]	84[d]	s.
Campbell	Dunklin	314	16	61.6	103	July 2†	15	Jan. 19†	16	35.85	7.85	Oct.	0.94	Feb.	1.5	101	173	134	58	s.
Caruthersville	Pemiscot	265	46	60.6	101	July 2	16	Feb. 8†	50	30.76	6.08	Oct.	0.35	May	2 5	83	239[a]	20[a]	105[a]	s.
Crystal City	Jefferson	420	8	56.2	104	Aug. 11	8	Jan. 19	8	32.07	7.56	Oct.	0 33	Mar.	7.7	91	85	109	171	w.
Doniphan	Ripley	344	38	59.2	103	Aug. 11	10	Jan. 19	38	44.08	9.77	Oct.	0.73	Feb.	1 0	94	226	42	97	sw.
Farmington	St. Francois	896	31	58.4	103	Aug. 11	11	Jan. 19†	45	37 62	12 17	Oct.	0.46	Mar.	4 0	97	143	76	146	s.
Goodland	Iron	1,000	49	56 3	102	Aug. 11	6	Jan. 19	49	41.03	10.79	Oct.	0.59	Feb.	10.7	92	186	85	94	s.
Greenville	Wayne	381	33	59.1	105	Aug. 10†	9	Jan. 19	35	32.64	8.39	Oct.	0.43	Feb.	1.3	81	139	115	111	se.
Jackson	Cape Girardeau	428	51	58.8	102	Aug. 11	12	Jan. 19	52	38.67	7.02	Oct.	1.01	Feb.	1.0	75	181	95	89	s.
Koshkonong	Oregon	958	41	59.2	99	July 1†	11	Feb. 8	42	41.59	10.55	Oct.	0.95	Mar.	10.1	101	139[e]	98[e]	123[e]	sw.
Licking(near)	Texas	1,170	5	57.3	99	July 22†	5	Dec. 5	5	45 30	8.80	Sept.	0.44	Feb.	10.2	107	183[a]	92[a]	89[a]	nw.
Marble Hill	Bollinger	470	47	59.2	105	Aug. 10†	9	Jan. 19	49	35.13	7.28	Oct.	0.60	Mar.	0.5	83	153	136	76	sw.
Poplar Bluff	Butler	339	37	61.0	105	Aug. 11	12	Jan. 19	38	39.87	8.13	Oct.	0.71	Feb.†	0.5	79	156	150	59	s.
Rolla	Phelps	1,202	42	56.8	99	July 22	9	Jan. 19†	58	44.07	7.16	Sept.	0.34	Feb.	9.0	119	94	129	142	s.
St. Louis:																				
City Office	St. Louis City	465	105	58.7	101	July 28	10	Jan. 18	105	32.12	7.46	Oct.	0.60	Mar.	12.5	108	136	90	139	sw.
St. Louis Airport	St. Louis	556	5	57.2	103	July 29	9	Jan. 19	11	31.37	6.67	Oct.	0.48	Feb.	15.6	113	128	90	147	nw.
St. Louis University	St Louis City	578	30	58.6	101	July 28†	11	Jan. 18†	30	25.96	4.60	Oct.	0.45	Mar.	14.0	116	177	74	114	se.
Washington Univ.	St Louis	536	4	57.2	103	Aug. 11	9	Jan. 19	4	34.44	6.87	Oct	0.65	Feb.†	....	110	..	..	..	......
Salem	Dent	1,173	38	56.8	101	July 23†	8	Feb. 8†	41	42.05	9.55	Oct.	0 52	Feb.	2.0	102	173	99	93	s.
Sikeston	Scott	318	35	60.6	106	Aug. 10†	15	Jan. 19†	45	36 38	7.59	Oct.	0.45	Mar.	0 5	88	103	221	41	n.
Union	Franklin	520	4	57.8	103	July 22†	9	Jan. 19	25	39.25	7.58	Oct.	0.49	Feb.	16.8	105	163	65	137	s.
Wappapello Dam	Butler	475	3	60.4	103	Aug. 10†	11	Jan. 19†	3	35.77	8.90	Oct.	0.73	Feb.†	1.7	99	204	75	86	sw.
West Plains	Howell	1,005	5	57.5	100	Aug. 11	12	Feb. 8	5	41.75	10.24	Oct.	0.80	Mar.	11.0	98	91	135	139	s.
Cairo, Ill.	Alexander, Ill.	315	70	60.2	99	Aug. 10	15	Jan. 19	71	29.79	7.66	Oct.	0.58	Mar.	3.7	100	83	131	151	s.
Division means	**and extremes**		..	**58.5**	**106**	**Aug. 10†**	**5**	**Dec. 14**	..	**37.31**	**12.83**	**Oct.**	**0.10**	**Mar.**	**6.0**	**96**	**156**	**100**	**109**	**s.**
State means	**and extremes**		..	**57.2**	**110**	**July 23**	**0**	**Jan. 18†**	..	**42.15**	**16.67**	**Oct.**	**0.10**	**Feb.†**	**14.0**	**102**	**151**	**101**	**113**	**sw.**

† Also on other dates ¶ Estimated * Partially estimated

[a], [b], [c], indicate the number of days missing from records, a, 1; b, 2; c, 3; etc.

Monthly and Annual Mean Temperatures for the Year 1941, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northern Division																										
Albany	....	......	....	......	....	......	....	......	....	......	74.8	......	77.9	......	78.8	......	70.2	......	57.9	......	43.3	......	37.2	......	....	......
Bethany	28.4	+ 3.6	28.9	+ 1.4	38.6	− 1.7	56.8	+ 5.3	67.6	+ 5.1	71.8	− 0.2	77.0	+ 0.7	78.8	+ 3.8	70.7	+ 3.6	58.8	+ 4.0	43.6	+ 0.8	36.8	+ 6.7	54.8	+ 2.8
Brookfield	....	......	....	......	....	......	....	......	....	......	....	......	....	......	....	......	69.0[h]	......	59.8	......	44.1	......	38.2	......	....	......
Brunswick	31.2	+ 4.5	29.8	0.0	38.5	− 3.1	57.4	+ 3.2	69.0	+ 4.8	74.5	+ 1.5	78.6	+ 2.5	78.8	+ 4.6	71.2	+ 4.2	59.6	+ 4.3	44.0	+ 2.4	39.0	+ 8.4	56.0	+ 3.1
Canton, Lock & Dam No. 20	29.8	......	29.2	......	37.3	......	55.8	......	67.3	......	72.7	......	77.0	......	77.8	......	69.8	......	59.2	......	44.0	......	37.3	......	54.8	......
Chillicothe	29.4	+ 5.0	28.8	− 3.5	37.7	− 4.0	57.2	+ 5.2	69.4	+ 6.5	73.6	+ 1.3	78.2	+ 1.2	79.1	+ 3.6	70.6	+ 3.1	58.9	+ 3.9	43.8	+ 2.5	37.4	+ 7.5	55.3	+ 2.7
Clifton Hill	31.2	+ 3.1	30.4	+ 0.2	39.2	− 3.0	58.0	+ 4.5	69.2	+ 5.6	74.0	+ 1.6	77.8	+ 1.4	79.8	+ 3.8	72.8	+ 4.2	59.8	+ 3.1	45.0	+ 1.6	38.5	+ 7.5	56.3	+ 2.8
Columbia	33.8	+ 2.9	32.2	− 0.2	40.9	− 2.0	59.0	+ 4.2	70.0	+ 5.0	74.8	+ 1.4	78.7	+ 1.4	79.6	+ 3.3	71.6	+ 2.2	61.4	+ 4.5	45.7	+ 1.6	39.6	+ 5.6	57.3	+ 2.5
Conception	28.2	+ 3.5	28.8	+ 0.6	38.4	− 1.4	56.8	+ 4.6	69.0	+ 6.9	72.6	+ 1.1	79.1	+ 2.5	79.0	+ 1.3	70.4	+ 3.2	58.4	+ 3.0	43.4	+ 2.0	37.3	+ 8.1	55.1	+ 3.2
Edgerton	31.2	+ 4.3	31.6	− 2.7	39.2[a]	− 4.0	57.5	+ 3.7	68.2[a]	+ 5.2	72.8	+ 0.9	78.6	+ 2.5	78.1	+ 3.0	71.0[a]	+ 3.1	59.6[b]	+ 3.3	....	......	....	......	....	......
Elsberry	33.4	+ 1.8	31.2	− 2.6	39.0	− 4.5	58.0	+ 4.4	68.4	+ 3.7	73.9	− 0.5	77.4	− 2.0	77.1[c]	+ 0.6	71.2	+ 1.9	61.1	+ 3.6	45.2	+ 1.8	39.0[b]	+ 4.6	56.2	+ 1.1
Fayette	32.3	+ 5.3	31.0	+ 0.4	39.2	− 2.7	57.2	+ 3.0	68.0	+ 4.2	73.0	+ 0.2	77.4	+ 0.2	78.3	+ 2.4	70.2	+ 2.1	60.0	+ 3.6	44.6	+ 2.4	38.3	+ 7.2	55.8	+ 2.4
Fulton	32.8	+ 3.3	30.5	− 2.6	38.9	− 5.2	57.3	+ 2.7	68.2	+ 3.6	71.6	+ 1.4	....	......	79.2	+ 2.8	73.0[d]	+ 4.1	....	......	....	......	....	......	....	......
Grant City	28.2	+ 3.4	27.8	− 0.8	37.8	− 3.5	56.2	+ 4.0	67.2	+ 5.2	71.2	+ 0.1	77.4	+ 1.2	78.0	+ 3.1	69.6	+ 2.6	57.2	+ 2.1	42.5	+ 0.6	35.8	+ 7.8	54.1	+ 2.2
Hannibal	30.3	+ 3.2	28.9	− 0.8	38.3	− 2.7	57.6	+ 4.2	68.5	+ 4.9	74.3	+ 1.8	77.4	+ 0.6	78.4	+ 3.4	70.2	+ 2.5	59.2	+ 3.2	44.0	+ 1.9	37.8	+ 6.3	55.4	+ 2.4
Kansas City Airport	32.2	+ 4.0	31.8	+ 0.6	40.6	− 2.1	59.0	+ 4.2	70.5	+ 5.7	74.8	+ 1.2	80.0	+ 1.9	79.5	+ 2.9	72.4	+ 3.5	60.4	+ 2.7	46.2	+ 2.5	40.0	+ 7.5	57.3	+ 2.9
Kansas City University	33.4	......	32.7	......	41.9	......	59.3	......	71.7	......	73.6	......	78.3	......	78.5	......	71.5	......	60.9	......	45.8	......	40.0	......	57.3	......
Kidder	29.9	+ 3.9	29.4	+ 1.0	38.0	− 2.8	56.6	+ 4.4	67.9	+ 5.3	71.6	− 0.2	77.5	+ 0.9	77.3	+ 1.9	70.2	+ 2.9	58.2	+ 2.4	42.8	+ 1.0	37.5	+ 8.3	51.7	+ 2.1
Kirksville	29.4	+ 4.6	28.2	+ 1.1	38.4	− 1.3	57.2	+ 5.3	68.4	+ 6.1	73.0	+ 1.3	78.5	+ 2.5	79.2	+ 5.2	70.3[b]	+ 4.0	58.7	+ 4.0	43.8	+ 3.2	37.2	+ 7.6	55.2	+ 3.6
Lawson	31.0	......	30.4	......	38.6	......	57.2	......	68.4	......	72.5	......	77.8	......	77.8	......	69.8	......	59.4	......	44.2	......	38.2	......	55.4	......
Louisiana	32.8	+ 4.7	29.8	− 1.1	38.4	− 5.1	57.6	+ 3.6	68.9	+ 5.2	73.8	+ 1.7	77.4	+ 1.0	77.7	+ 2.8	72.4	+ 4.4	60.4	+ 4.2	44.7	+ 0.6	38.4	+ 6.6	56.0	+ 2.4
Macon	29.4	+ 1.9	28.6	− 1.0	37.2	− 5.0	56.8	+ 3.7	69.0	+ 5.5	74.0	+ 1.6	78.2	+ 1.0	79.2	+ 3.1	70.4	+ 2.5	58.7	+ 2.4	44.0	+ 1.2	37.8	+ 7.7	55.3	+ 2.0
Maryville	28.0	+ 5.1	28.0	+ 2.2	38.0	+ 0.1	56.2	+ 5.4	67.8	+ 6.5	71.7	+ 1.9	78.2	+ 2.5	78.0	+ 4.2	69.6	+ 4.0	56.7	+ 3.2	41.7	+ 2.3	35.2	+ 8.4	54.1	+ 3.8
Memphis	27.2	......	25.8	......	35.1	......	55.7	......	66.0	......	72.5	......	77.2	......	78.5	......	69.6	......	56.8	......	42.2	......	36.0	......	53.6	......
Mexico	31.6	+ 3.6	30.0	− 0.1	38.0	− 4.0	57.8	+ 4.0	69.4	+ 5.4	74.8	+ 1.6	77.6	+ 0.3	79.2	+ 3.2	70.4	+ 1.9	59.2	+ 2.9	43.8	+ 0.9	37.6	+ 5.8	55.8	+ 2.1
Moberly	32.1	......	31.8	......	40.6	......	58.0	......	70.5	......	73.7	......	78.1	......	79.6	......	71.0	......	61.0	......	45.8	......	38.4	......	56.7	......
Oregon	30.0	+ 5.9	30.2	+ 1.4	39.2	− 0.4	57.8	+ 5.1	69.5	+ 6.3	72.8	+ 0.6	79.6	+ 4.0	78.8	+ 3.6	71.6	+ 4.5	58.5	+ 3.4	44.0	+ 3.5	37.8	+ 9.1	55.8	+ 3.9
St. Charles	33.4	+ 2.4	32.2	− 1.1	40.6	− 3.9	59.8	+ 4.2	70.1	+ 7.0	76.2	+ 2.3	81.7	+ 3.6	81.0	+ 4.2	73.2	+ 4.9	62.8	+ 4.6	45.9	+ 0.6	39.9	+ 5.0	58.1	+ 2.8
St. Joseph	30.3	+ 4.8	30.2	+ 0.6	40.0	− 0.5	57.5	+ 4.0	69.6	+ 5.4	73.4	− 0.3	79.4	+ 2.0	78.8	+ 2.3	70.6	+ 2.2	58.4	+ 2.4	44.7	+ 3.2	38.0	+ 8.1	55.9	+ 2.9
Saverton, Lock & Dam 22	32.5	......	30.2	......	39.0	......	58.0	......	69.0	......	74.4	......	78.2	......	79.0	......	71.8	......	60.1	......	44.8	......	38.7	......	56.3	......
Shelbina	....	......	....	......	....	......	....	......	....	......	....	......	78.2	......	77.8	......	69.8	......	59.3	......	44.0	......	37.4	......	....	......
Steffenville	28.2	+ 0.8	27.4	− 2.3	36.2	− 6.0	55.6	+ 2.5	67.9	+ 4.1	73.6	+ 1.0	78.6	+ 0.8	78.6	+ 2.1	69.0	0.0	58.0	+ 0.6	42.4	− 1.1	36.2	+ 5.6	54.3	+ 0.7
Tarkio	28.2	+ 5.3	26.8	− 2.2	37.0	− 3.1	56.0	+ 3.8	67.2	+ 4.6	70.6	− 1.2	78.2	+ 1.4	77.6	+ 2.4	68.6	+ 2.3	55.3	+ 0.5	41.8	+ 1.7	34.7	+ 8.3	53.5	+ 2.0
Trenton	30.2	+ 3.9	30.0	+ 0.6	39.0	− 2.1	57.2	+ 4.5	69.4	+ 5.9	73.7	+ 1.5	78.6	+ 1.8	79.3	+ 4.1	71.1	+ 3.9	59.6	+ 3.7	45.0	+ 2.8	38.4	+ 8.8	56.0	+ 3.3
Unionville	27.0	+ 3.5	25.0	− 1.7	35.0	− 3.9	56.6	+ 5.6	67.6	+ 5.5	72.6	+ 1.3	76.8	+ 0.3	78.0	+ 3.2	68.5	+ 1.4	55.9	+ 0.7	41.2	+ 0.9	34.9	+ 7.3	53.3	+ 2.0
Warrenton	33.9	+ 4.7	31.7	+ 0.8	40.6	− 1.9	59.4	+ 4.6	69.4	+ 4.5	75.2	+ 1.8	79.7	+ 1.9	80.1	+ 3.6	71.8	+ 2.8	61.7[a]	+ 5.7	46.6	+ 3.4	40.6	+ 8.2	57.6	+ 3.3
Keokuk, Iowa	29.2	+ 4.3	28.0	− 0.3	37.7	− 1.2	56.8	+ 4.5	68.4	+ 4.6	73.8	+ 1.3	78.2	+ 1.3	78.3	+ 3.3	70.8	+ 3.3	59.2	+ 3.8	44.6	+ 3.5	37.8	+ 8.2	55.2	+ 3.0
Division means	**30.5**	**+ 3.8**	**29.6**	**− 0.4**	**38.6**	**− 2.9**	**57.4**	**+ 4.2**	**68.7**	**+ 5.3**	**73.4**	**+ 1.0**	**78.2**	**+ 1.5**	**78.7**	**+ 3.2**	**70.7**	**+ 3.0**	**59.2**	**+ 3.2**	**44.1**	**+ 1.8**	**37.8**	**+ 7.3**	**55.6**	**+ 2.6**
Southwestern Division																										
Anderson (near)	38.8	+ 2.9	36.4	+ 0.7	41.8	− 7.0	60.7	+ 4.0	68.2	+ 2.5	71.4	− 1.3	78.4	+ 1.1	77.9	+ 0.2	71.6[a]	+ 0.6	61.6[n]	+ 2.9	46.8	− 2.5	44.0[j]	+ 6.5	58.1	+ 0.9
Appleton City	35.0	+ 3.7	33.6	− 0.3	41.0	− 4.1	60.2	+ 4.1	68.8	+ 3.8	73.1	− 1.3	79.8	+ 1.6	79.4	+ 1.6	71.1	+ 0.7	61.7	+ 2.8	45.2	− 0.8	40.4	+ 5.8	57.4	+ 1.5
Bolivar	37.9	+ 4.0	35.4	+ 0.2	41.3	− 5.0	60.6	+ 4.3	69.4	+ 4.6	73.4	+ 0.6	80.8	+ 3.5	80.2	+ 3.3	71.8	+ 1.9	62.7	+ 4.1	47.0	+ 0.2	40.4	+ 4.8	58.4	+ 2.2
Boonville	31.3	......	29.7	......	38.6	......	56.7	......	68.9	......	73.8	......	78.0	......	77.8	......	70.4	......	59.2	......	44.5	......	37.3	......	55.5	......
Carthage	38.6	......	36.8	......	42.6	......	61.2	......	69.4	......	73.2	......	80.3	......	79.2	......	72.7	......	63.6	......	47.2	......	41.4	......	58.8	......
Clinton	35.2	+ 3.5	33.6	0.0	40.8	− 4.2	59.7	+ 3.4	69.6	+ 4.1	74.2	+ 0.4	80.0	+ 1.7	79.9	+ 2.3	71.0	+ 0.2	61.7	+ 2.8	45.6	− 1.4	40.1	+ 5.4	57.6	+ 1.5
Eldon	34.6	+ 3.5	32.2	− 0.9	38.6	− 5.0	55.5¶	+ 3.1	68.6[c]	+ 4.4	73.6	+ 0.6	77.8	+ 0.6	78.6	+ 2.2	70.4	+ 1.0	60.4[a]	+ 3.0	48.6[m]	+ 3.8	39.0	+ 4.7	56.7	+ 1.8
Fort Leonard Wood	....	......	....	......	....	......	....	......	....	......	....	......	....	......	80.0	......	72.8	......	62.6	......	46.8	......	40.6	......	....	......
Harrisonville	31.9	+ 4.6	31.5	+ 0.8	38.8	− 2.5	57.6	+ 3.7	68.8	+ 5.0	73.2	+ 0.1	79.4	+ 1.7	79.4	+ 3.5	69.6	+ 1.1	59.6	+ 3.5	44.0	+ 1.5	38.2	+ 6.9	56.0	+ 2.5
Jefferson City	32.8	+ 3.0	30.5	− 1.6	38.0	− 5.6	57.7	+ 1.7	67.8	+ 3.1	73.4	− 0.4	77.5	− 0.6	79.0	+ 2.3	70.0	+ 0.7	59.6	+ 2.8	43.8	− 0.3	38.4	+ 5.5	55.7	+ 0.9
Joplin	38.7	+ 3.8	36.4	+ 0.6	42.6	− 6.0	61.6	+ 3.1	71.0	+ 4.7	74.2	+ 0.8	80.7	+ 2.6	80.0	+ 2.7	72.8	+ 0.7	63.7	+ 3.5	47.7	− 0.6	42.6	+ 3.4	59.3	+ 1.6
Lakeside	36.0	+ 3.0	33.4	− 0.6	39.6	− 5.0	58.6	+ 3.2	69.2	+ 3.1	74.5	− 0.5	79.5	− 1.0	79.5	+ 0.4	72.3	+ 1.3	62.8	+ 3.0	46.1	+ 1.6	40.0	+ 2.7	57.6	+ 0.9
Lamar	36.0	+ 3.9	34.5	− 0.8	40.6	− 5.4	59.8	+ 3.2	68.8	+ 3.2	72.4	− 1.8	79.2	+ 0.8	77.8	+ 0.1	69.8	− 1.0	60.9	+ 2.0	44.2	− 2.1	39.2	+ 4.0	56.9	+ 0.5
Lebanon	37.6	+ 5.1	33.6	− 0.8	40.8[a]	− 4.2	58.0	+ 2.5	66.8	+ 1.9	72.4	− 0.3	78.3	+ 1.4	79.0	+ 2.9	69.8	+ 0.4	60.9	+ 3.2	45.0	− 0.6	40.0	+ 5.2	56.8	+ 1.4
Lexington	31.6	+ 3.8	31.0	0.0	39.8	− 3.6	58.8	+ 4.2	70.4	+ 6.0	75.0	+ 2.1	80.0	+ 2.6	79.8	+ 3.6	71.6	+ 2.8	60.5	+ 3.0	45.5	+ 1.3	39.2	+ 7.2	56.9	+ 2.8
Lockwood	37.6	+ 4.3	35.4	− 1.6	42.2	− 5.1	60.9	+ 4.4	70.6	+ 6.2	73.6	0.0	81.2	+ 3.6	80.2	+ 3.0	72.2	+ 1.3	63.0	+ 4.3	47.8	+ 0.8	41.4	+ 5.3	58.8	+ 2.2
Marshall	33.4	+ 5.5	31.9	+ 1.0	39.8	− 3.2	58.2	+ 3.4	68.7	+ 4.5	73.8	+ 0.6	78.2	+ 0.7	79.0	+ 3.0	71.6	+ 2.8	60.6	+ 4.0	46.4	+ 1.2	39.4	+ 7.5	56.8	+ 2.6
Mountain Grove	37.4	+ 4.6	34.8	− 0.3	41.4	− 4.0	59.4	+ 4.5	67.1	+ 3.3	72.8	+ 1.0	77.8	+ 1.4	78.6	+ 3.1	70.8	+ 1.9	62.2	+ 4.6	46.6	+ 0.7	40.2	+ 5.5	57.4	+ 2.2
Mount Vernon	38.2	+ 4.9	36.3	+ 1.8	42.8	− 3.1	62.0	+ 5.9	68.9	+ 3.1	72.4	− 0.9	79.1[e]	+ 1.4	78.9	+ 2.2	73.0	+ 2.5	64.0	+ 5.4	50.0[g]	+ 4.2	41.0	+ 5.5	58.9	+ 2.7
Neosho	39.8	+ 4.7	37.1	− 0.5	42.7	− 5.4	61.0	+ 2.7	69.2	+ 3.2	73.2	− 0.6	79.4	+ 1.9	77.7	+ 0.6	72.1	+ 1.6	64.8	+ 5.6	48.4	+ 1.1	41.9	+ 4.8	58.9	+ 1.6
Nevada	36.0	+ 4.1	35.4	+ 1.5	41.9	− 3.0	61.2	+ 5.5	70.6	+ 6.1	74.4	+ 0.9	81.4	+ 1.8	80.2	+ 3.1	72.1	+ 2.6	62.1	+ 4.5	46.0	+ 1.2	41.2	+ 5.9	58.5	+ 2.8
Ozark Beach	38.8	......	37.2	......	41.9	......	60.8	......	69.8	......	75.2	......	82.4	......	80.6	......	73.2	......	65.2	......	46.9	......	41.0	......	59.4	......
Sedalia	35.1	+ 8.7	33.4	+ 3.0	41.4	− 1.4	59.8	+ 4.5	70.7	+ 5.4	75.2	+ 1.0	80.0	+ 2.5	80.5	+ 4.0	71.7	+ 2.5	61.7	+ 4.0	46.2	+ 2.9	40.6	+ 6.7	58.0	+ 3.6
Seligman	39.6[a]	+ 4.5	35.9[a]	− 1.6	41.3	− 5.3	59.5[a]	+ 2.9	67.5[a]	+ 3.0	71.4[a]	− 1.0	78.0[a]	+ 1.3	75.9	− 0.3	70.3[a]	+ 0.7	62.4[a]	+ 3.4	46.9	− 0.4	41.2[a]	+ 3.9	57.5	+ 0.9
Seymour (near)	37.2	+ 3.2	34.2	− 0.8	40.4	− 5.0	58.6	+ 2.9	66.2	+ 2.5	71.2	− 0.5	77.0	+ 1.5	76.8	+ 1.8	69.6	+ 0.8	60.6	+ 3.2	44.5	− 1.4	39.7	+ 4.3	56.3	+ 1.0
Springfield	36.8	+ 3.3	34.0	− 1.2	40.0	− 5.2	59.2	+ 3.2	67.6	+ 3.1	72.3	− 0.2	78.1	+ 1.3	77.7	+ 2.0	70.2	+ 1.3	62.0	+ 3.8	45.0	− 0.7	39.2	+ 3.0	56.8	+ 1.1
Sweet Springs	....	......	....	......	41.2	......	58.8	......	69.8[a]	......	74.2	......	78.8[a]	......	79.0	......	71.2	......	61.6	......	45.7	......	39.6	......	....	......
Warrensburg	34.2	+ 5.5	33.4	+ 0.9	41.2	− 2.8	59.4	+ 3.3	70.4	+ 5.4	74.4	+ 0.5	80.6	+ 1.8	80.5	+ 3.4	71.0	+ 0.8	61.2	+ 3.2	45.2	+ 0.2	40.6	+ 7.2	57.7	+ 2.4
Warsaw	36.4	+ 3.5	34.3	− 1.3	41.9	− 5.1	60.6	+ 3.9	70.0	+ 4.5	74.7	+ 0.9	81.1	+ 2.8	81.2	+ 3.6	71.4	+ 0.9	62.4	+ 3.4	46.4	− 0.8	40.6	+ 4.9	58.4	+ 1.8
Wasola	....	......	....	......	....	......	....	......	69.6	......	74.6	......	79.2	......	79.4	......	71.8	......	63.4	......	47.2	......	41.9	......	....	......
Division means	**36.2**	**+ 4.3**	**34.1**	**− 0.1**	**40.9**	**− 4.4**	**59.6**	**+ 3.6**	**69.0**	**+ 4.0**	**73.5**	**0.0**	**79.4**	**+ 1.7**	**79.1**	**+ 2.3**	**71.3**	**+ 1.3**	**62.0**	**+ 3.6**	**46.2**	**+ 0.4**	**40.3**	**+ 5.3**	**57.6**	**+ 1.8**
Southeastern Division																										
Advance	37.0	......	34.6	......	41.4	......	60.2	......	68.8	......	75.2	......	79.6	......	79.3	......	72.2	......	63.8	......	44.8	......	39.9	......	58.1	......
Arcadia	35.6	+ 3.7	32.9	− 1.2	39.4	− 5.2	58.2	+ 2.9	66.2	+ 2.1	74.0	+ 2.2	80.6	+ 4.8	79.6	+ 5.3	71.3	+ 3.7	62.4	+ 6.4	45.0	+ 1.1	39.3	+ 5.0	57.0	+ 2.6
Birch Tree (near)	37.5	+ 3.0	34.2	− 2.1	41.9	− 5.4	59.6	+ 2.5	66.0	+ 1.0	73.4	+ 0.7	78.9	+ 2.3	78.4	+ 2.3	72.0	+ 2.2	62.4[d]	+ 4.0	46.1	− 0.5	40.4	+ 4.0	57.6	+ 1.2
Campbell	40.8	+ 3.1	38.1	− 4.0	46.4	− 1.6	64.8	+ 6.1	72.8	+ 5.5	77.8	+ 2.3	81.8	+ 1.4	81.4	+ 4.2	75.6	+ 4.0	67.7	+ 7.6	48.1	+ 0.5	43.5	+ 5.1	61.6	+ 2.8
Caruthersville	39.7	+ 0.6	36.9	− 3.4	44.3	− 7.1	63.2	+ 3.0	72.2	+ 2.4	78.3	− 0.1	81.8	+ 0.5	80.6	+ 0.3	75.2	+ 0.7	66.4	+ 4.2	46.8	− 3.6	42.2	+ 1.3	60.6	− 0.1
Crystal City	34.6	......	31.9	......	39.8	......	58.4	......	65.6	......	73.1	......	78.8[b]	......	79.0	......	70.3	......	60.8	......	43.8	......	38.9	......	56.2	......
Doniphan	39.2	+ 3.4	36.7	− 2.6	43.8	− 5.2	61.6	+ 3.1	69.2	+ 2.7	75.0	0.0	80.2	+ 1.6	79.4	+ 1.8	73.5	+ 2.3	64.5	+ 6.0	46.4	− 0.9	41.2	+ 3.4	59.2	+ 1.3
Farmington	37.4	+ 4.8	33.5	− 3.4	41.8	− 4.7	60.6	+ 3.7	69.1	+ 5.4	75.6	+ 2.8	80.6	+ 4.3	80.2	+ 4.8	73.5	+ 3.9	63.6	+ 6.8	44.3	− 0.5	40.4[e]	+ 3.7	58.4	+ 2.6
Goodland	35.5	+ 2.9	33.0	− 1.3	39.8	− 5.2	57.6	+ 2.6	65.6	+ 1.6	72.5	+ 0.6	78.2	+ 2.6	78.2	+ 3.7	70.8	+ 3.0	61.8	+ 5.9	44.4	− 0.3	38.6	+ 3.8	56.3	+ 1.7
Greenville	38.8	+ 3.8	36.2	+ 0.4	43.2	− 4.5	61.2	+ 4.6	69.0	+ 3.1	74.8	+ 1.2	80.8	+ 3.4	80.2	+ 3.5	72.6	+ 1.8	64.2	+ 6.6	46.5	+ 1.1	41.7	+ 5.5	59.1	+ 2.5
Jackson	37.8	+ 4.0	34.8	− 1.7	42.9	− 4.3	60.8	+ 3.7	68.8	+ 3.2	75.6	+ 1.5	80.3	+ 2.7	79.6	+ 3.5	73.2	+ 3.1	64.2	+ 6.3	46.0	− 0.6	41.2	+ 4.6	58.8	+ 2.2
Koshkonong	39.3	+ 2.8	36.6	− 2.5	43.6	− 5.8	61.6[a]	+ 3.1	69.0[b]	+ 2.4	73.4‖	− 1.0	79.9	+ 1.1	79.6	+ 1.7	73.0	+ 1.6	64.0[a]	+ 4.4	47.8	− 1.2	42.0	+ 3.6	59.2	+ 0.8
Licking (near)	37.0	......	33.9	......	40.3	......	59.3	......	67.1	......	73.2[a]	......	78.2	......	78.8	......	71.6	......	62.3	......	46.0	......	39.6	......	57.3	......
Marble Hill	38.6	+ 4.0	35.0	− 1.6	43.4	− 4.2	61.1	+ 3.9	69.7	+ 4.1	76.3	+ 2.3	81.4	+ 3.6	80.6	+ 3.6	72.6	+ 1.9	64.0	+ 5.8	46.1	+ 0.9	41.0	+ 4.3	59.2	+ 2.4
Poplar Bluff	39.8	+ 3.8	37.6	− 0.5	45.6	− 3.0	64.2	+ 4.7	72.0	+ 4.5	77.9	+ 2.5	82.4	+ 3.2	82.2	+ 4.2	75.6	+ 3.9	66.0	+ 5.9	46.4	− 1.3	42.0	+ 4.2	61.0	+ 2.7
Rolla	35.6	+ 3.7	31.8	− 4.5	39.5	− 6.0	59.2	+ 3.3	67.8	+ 3.3	73.4	+ 0.4	78.0	+ 0.3	78.6	+ 2.4	71.0	+ 2.3	61.4	+ 4.9	45.8	+ 0.8	39.3	+ 4.7	56.8	+ 1.3

Continued on page 74

Monthly and Annual Mean Temperatures for the Year 1941, with Departures from Normal—Concluded

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Southeastern Div.-Concluded																										
St. Louis																										
City Office	35.4	+ 4.3	32.8	− 2.0	40.8	− 3.3	60.6	+ 4.5	70.6	+ 3.6	77.3	+ 2.3	81.2	+ 2.4	81.0	+ 3.5	73.4	+ 2.9	63.3	+ 4.5	47.2	+ 1.8	41.3	+ 6.4	58.7	+ 2.5
St. Louis Airport	33.9	......	31.6	......	39.4	......	58.8	......	69.0	......	75.7	......	79.8	......	79.7	......	71.6	......	61.6	......	45.4	......	39.7	......	57.2	......
St. Louis University	35.2	+ 3.2	32.8	− 2.1	40.8	− 3.4	60.4	+ 4.7	70.8	+ 5.1	77.4	+ 2.2	81.6	+ 1.1	80.8	+ 3.0	73.3	+ 2.4	62.8	+ 4.2	46.6	+ 0.9	40.6	+ 5.5	58.6	+ 2.2
Washington University	33.4	......	31.4	......	39.4	......	59.2	......	69.0	......	75.6	......	80.5	......	80.0	......	72.2	......	61.6	......	45.2	......	39.2	......	57.2	......
Salem	36.0	+ 3.4	32.8	− 3.0	40.1	− 6.3	58.3	+ 2.3	65.6	+ 1.1	73.0	+ 0.6	78.9	+ 2.1	79.0	+ 3.1	70.7	+ 1.5	62.1	+ 4.5	45.8	− 0.3	39.4	+ 4.0	56.8	+ 1.1
Sikeston	38.0	+ 1.0	36.4	− 0.8	44.0	− 4.6	63.0	+ 4.9	71.8	+ 3.3	78.2	+ 3.9	82.5	+ 3.9	82.0	+ 4.4	75.4	+ 4.3	66.2	+ 6.9	47.0	− 0.2	42.0	+ 4.3	60.6	+ 2.6
Union	35.9	......	33.0	......	41.4	......	58.8	......	68.3^{a}	.....	74.4	......	80.2^{b}	......	80.2	......	71.3	......	62.4	......	46.8^{a}	......	40.6	......	57.8	......
Wappapello Dam	37.8	......	35.4	......	43.8	......	62.4	......	71.6	......	79.6	......	83.8	......	81.9	......	74.8	......	65.4	......	47.4	......	41.2	......	60.4	......
Weingarten	....	......	....	......	....	......	....	......	....	......	....	......	....	......	80.0	......	72.6	......	63.3	......	45.4	......	39.8	......	....	......
West Plains	37.8	......	34.8	......	41.4	......	58.8	......	67.0	......	73.6	......	78.9	......	78.8	.....	70.8	......	63.1	......	45.2	......	39.3	......	57.5	......
Willow Springs	....	......	....	......	42.7^{e}	......	59.6	......	67.5	......	73.2	......	78.4	......	78.0	......	71.3	......	63.0	......	45.6	......	39.5	......	....	......
Cairo, Ill.	38.6	+ 3.7	35.4	− 3.1	43.0	− 4.2	62.8	+ 4.7	71.0	+ 2.6	77.6	+ 1.3	81.6	+ 2.0	80.6	+ 2.8	75.2	+ 3.7	66.0	+ 5.6	48.0	+ 0.7	42.8	+ 5.0	60.2	+ 2.0
Division means	**37.3**	**+ 3.3**	**34.5**	**− 2.2**	**42.0**	**− 4.7**	**60.5**	**+ 3.8**	**68.9**	**+ 3.2**	**75.4**	**+ 1.4**	**80.3**	**+ 2.4**	**79.9**	**+ 3.2**	**72.8**	**+ 2.7**	**63.6**	**+ 5.6**	**46.1**	**− 0.1**	**40.6**	**+ 4.4**	**58.5**	**+ 1.9**
State means	**34.7**	**+ 4.0**	**32.7**	**− 0.4**	**40.5**	**− 3.4**	**59.2**	**+ 4.0**	**68.9**	**+ 4.4**	**74.1**	**+ 0.5**	**79.3**	**+ 1.2**	**79.2**	**+ 2.6**	**71.6**	**+ 2.2**	**61.6**	**+ 3.9**	**45.5**	**+ 1.2**	**39.6**	**+ 5.3**	**57.2**	**+ 2.1**

¶ Estimated ‖ Partially estimated Letters of alphabet indicate number of days missing from report: thus [^{a}] one day; [^{b}] two days, etc.

KILLING FROSTS, 1941

Stations	Last in Spring	First in Autumn	Days in Growing Season	Stations	Last in Spring	First in Autumn	Days in Growing Season	Stations	Last in Spring	First in Autumn	Days in Growing Season	Stations	Last in Spring	First in Autumn	Days in Growing Season
Northern Division															
Albany	....	Oct. 28	....	Mexico	Mar. 29*	Oct. 28*	213	Lakeside	Mar. 29*	Oct. 28*	213	Caruthersville	Mar. 29*	Nov. 11	227
Amity	April 24*	Oct. 28	187	Moberly	Mar. 29*	Oct. 28	213	Lamar	Mar. 29*	Oct. 28	213	Crystal City	April 6*	Oct. 28	205
Bethany	Mar. 29	Oct. 28	213	Oregon	Mar. 29*	Oct. 28	213	Lebanon	Mar. 29*	Oct. 28	213	Doniphan	Mar. 30*	Oct. 28*	212
Brookfield	....	Oct. 28	....	St. Charles	Mar. 29*	Oct. 28*	213	Lexington	Mar. 25	Oct. 28	217	Farmington	Mar. 29*	Nov. 11	227
Brunswick	Mar. 30*	Oct. 28*	212	St. Joseph	Mar. 29*	Oct. 28*	213	Lockwood	Mar. 29*	Oct. 28	213	Goodland	April 26*	Oct. 28*	185
Canton	Mar. 29*	Oct. 28*	213	Saverton	Mar. 29*	Oct. 28*	213	Marshall	Mar. 29*	Oct 28*	213	Greenville	Mar. 30*	Oct. 28*	212
Chillicothe	Mar. 29*	Oct. 28	213	Shelbina	....	Oct. 28	....	Mountain Grove	Mar. 29*	Oct. 28*	213	Jackson	Mar. 29*	Nov. 11	227
Clifton Hill	Mar. 29*	Oct. 28	213	Steffenville	Mar. 27*	Oct. 28	215	Mount Vernon	Mar. 29*	Oct. 28*	213	Koshkonong	Mar. 29*	Nov. 7	223
Columbia	Mar. 29	Oct. 28	213	Tarkio	Mar. 30*	Oct. 28	212	Neosho	Mar. 29	Oct. 28	213	Licking(near)	April 6*	Oct. 28	205
Conception	Mar. 29*	Oct. 28*	213	Trenton	Mar 29*	Oct. 28	213	Nevada	Mar. 29*	Oct. 28	213	Marble Hill	Mar. 29*	Oct. 28	213
Edgerton	April 25*	Oct. 28*	186	Unionville	April 6*	Oct. 28	205	Ozark Beach	Mar. 29	Oct. 28	213	Poplar Bluff	Mar. 29*	Oct. 28*	213
Elsberry	Mar. 30*	Oct. 28*	212	Warrenton	Mar. 29*	Oct. 28	213	Pleasant Hill	Mar. 29	Oct. 28	213	Rolla	Mar. 29*	Oct. 28*	213
Fayette	Mar. 29*	Oct. 28	213	Keokuk, Iowa	Mar. 29	Oct. 28	213	Sedalia	Mar. 29*	Oct. 28	213	**St. Louis**	Mar. 25	Nov. 11	231
Fulton	April 6*	....	....					Seligman	Mar. 30*	Oct. 28*	212	St. Louis Airport	Mar. 29*	Oct. 28*	213
Gorin	April 25	Oct. 28	186	*Southwestern Division*				Seymour(near)	Mar. 29*	Oct. 28	213	St. Louis Univ.	Mar. 29*	Nov. 11	227
Grant City	April 20*	Oct. 28	191	Anderson (near)	Mar. 29*	Oct. 28	213	Springfield	Mar. 29	Oct. 28	213	Washington U.	Mar. 29*	Oct. 28*	213
Hannibal	Mar. 29*	Oct. 28*	213	Appleton City	Mar. 29*	Oct. 28*	213	Sweet Springs	Mar. 29*	Oct. 28*	213	Salem	Mar. 29*	Oct. 28	213
Kan. City Airport	Mar. 29	Oct. 28	213	Bolivar	Mar. 29*	Oct. 28	213	Warrensburg	Mar. 29*	Oct. 28	213	Sikeston	Mar. 29	Nov. 11	227
Kansas City Univ.	Mar. 28*	Oct. 28	214	Boonville	Mar. 29*	Oct. 28*	213	Warsaw	Mar. 29	Oct. 28	213	Union	April 6*	Oct. 28	205
Kidder	Mar. 29*	Oct. 28	213	Carthage	Mar. 29*	Nov. 8	224	Wasola	....	Oct. 28	....	Van Buren	Mar. 29*	Oct. 28	213
Kirksville	Mar. 29*	Oct. 28	213	Clinton	Mar. 29*	Oct. 28*	213					Wappapello Dam	Mar. 19*	Nov. 11	237
Lawson	Mar. 29*	Oct. 28	213	Eldon	Mar. 29*	Oct. 28*	213	*Southeastern Division*				Weingarten	....	Nov. 7*	....
Linneus	Mar. 29	Oct. 28	213	Ft. Leonard Wood	....	Oct. 28	....	Advance	Mar. 29*	Oct. 28*	213	West Plains	Mar. 29*	Oct. 28*	213
Louisiana	April 25*	Oct. 28*	186	Harrisonville	Mar. 29*	Oct. 28	213	Arcadia	April 6*	Nov. 11	219	Willow Springs	Mar. 29	Oct. 28	213
Macon	Mar. 29*	Oct. 28	213	Higginsville	....	Oct. 28	....	Birch Tree(near)	Mar. 29*	Oct. 28*	213	Cairo, Ill.	Mar. 25	Nov. 11	231
Maryville	Mar. 29*	Oct. 28	213	Jefferson City	Mar. 29*	Oct. 28	213	Bragg City	Mar. 29*	Nov. 11	227	....	....	....	....
Memphis	Mar. 29*	Oct. 28*	213	Joplin	Mar. 29*	Oct. 28*	213	Campbell	Mar. 29*	Nov. 11	227	....	....	....	....

* Occurrence of killing frost not recorded; dates given are last in spring or first in autumn of temperature 32° or lower.

WBO, St Louis, 3-5-42—1350.

(Continued from page 71)

in the Northern Division on September 26th, but without damage, and most crops were safe from frost by the end of September. Some early wheat and barley was sown and made good growth and afforded pasturage the latter part of the month. Cotton continued very good and the yield was reported as the best in years. October was the wettest October known and the excessive rainfall and resulting flood conditions caused severe damage to crops and forage and prevented seeding of wheat. Subsoil moisture was greatly replenished this month. The first general killing frost occurred on the 28th, except in the southern portions of the Southeastern Division. Wet weather continued the first week of November after which a fine type of mild, open weather prevailed. The growing season ended in the Southeastern Division, where killing frost had not previously occurred, between the 1st and 11th of November. Some winter wheat was sown and fall plowing was possible the latter half. Most corn and other feeds were taken out of the fields, but much had spoiled due to the wet weather in October. Mild and favorable weather for all seasonal activities prevailed in December, but the lack of snow cover and alternate thawing and freezing were unfavorable for wheat that had been sown.—M. R. W.

TEMPERATURE

The annual mean temperature for the State was 57.2°, or 2.1° above normal. The highest annual mean was 61.6° at Campbell, and the lowest annual mean was 53.3° at Unionville. The highest temperature recorded was 110° at Steffenville on July 23d, and the lowest was 0° at Conception, Oregon and Unionville on January 18th, at Canton and Unionville on January 19th, at Memphis and Unionville on February 19th, and at Memphis on February 20th. The greatest daily range was 53° at Lamar on March 18th and at Licking(near) on May 25th.

PRECIPITATION

The average annual precipitation for the State was 42.15 inches, or 1.99 inches more than normal. The greatest annual amount was 58.02 inches at Neosho, and the least annual

(Continued on page 76)

Monthly and Annual Precipitation for the Year 1941, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northern Division																										
Albany	....	......	....	......	....	......	....	......	....	......	5.03	−0.21	1.91	−2.72	1.47	−2.18	6.13	+0.58	7.48	+4.69	1.09	−0.62	2.26	+1.39	....	......
Amity	3.85	......	0.62	......	0.99	......	3.39	......	2.21	......	4.62	......	1.60	......	1.42	......	4.52	......	7.94	......	3.01	......	2.37	......	36.54	......
Bethany	2.74	+1.55	0.81	−0.61	1.06	−1.17	2.42	−0.87	5.31	+1.14	6.64	+1.58	3.37	−0.79	1.29	−2.53	5.00	+0.44	8.37	+5.45	1.30	−0.74	2.73	+1.58	41.01	+5.03
Bowling Green	3.69	+1.79	0.33	−1.11	0.51	−1.63	5.44	+2.90	1.96	−1.88	5.92	+2.68	5.46	+2.68	2.25	−1.56	6.52	+3.81	12.16	+9.91	2.17	−0.67	0.86	−1.19	47.27	+15.73
Brookfield	....	......	....	......	....	......	....	......	....	......	....	......	....	......	....	......	....	......	13.31	......	1.34	......	2.31	......	....	......
Brunswick	4.58	+2.99	0.56	−1.25	0.92	−1.78	2.84	−0.99	1.97	−2.64	6.99	+1.88	3.22	−0.89	3.34	−0.60	5.80	+0.99	10.16	+7.16	2.17	−0.02	2.02	+0.35	44.57	+5.20
Canton, Lock and Dam 20	3.90	+1.96	0.14	−1.12	0.59	−1.75	3.57	+0.81	1.23	−4.09	4.09	−0.69	2.78	+0.45	1.64	−1.52	5.18	+1.44	10.57	+8.31	2.77	+0.06	1.92	+0.29	38.38	+4.15
Centralia	2.66	......	0.27	......	0.54	......	2.87	......	2.22	......	4.46	......	1.70	......	2.84	......	5.91	......	11.50	......	2.25	......	1.71	......	38.93	......
Chillicothe	3.59	+2.11	0.46	−0.99	0.83	−1.65	2.84	−0.38	3.07	−1.02	4.34	−0.39	2.18	−1.24	1.99	−1.97	5.64	+0.86	8.62	+5.48	2.26	+0.14	1.86	+0.44	37.68	+1.39
Clifton Hill	4.20	+2.48	0.45	−1.29	0.87	−1.87	2.60	−0.76	1.82	−2.58	4.11	−0.28	3.04	−0.32	1.96	−1.84	3.40	−1.14	11.33	+8.81	1.91	−0.07	2.37	+0.65	38.06	+1.79
Columbia	2.85	+0.93	0.31	−1.73	0.61	−2.33	3.94	+0.17	5.35	+0.89	4.36	−0.40	4.83	+1.34	3.30	−0.30	6.35	+2.00	13.44	†10.83	2.44	+0.24	1.81	−0.05	49.59	+11.59
Conception	2.88	+2.09	0.54	−0.61	0.70	−0.95	2.69	−0.04	5.33	+1.27	3.83	−1.12	1.18	−3.49	2.22	−1.42	6.28	+1.64	7.31	+4.43	0.99	−0.75	1.97	+1.09	35.92	+2.14
Edgerton	3.22	+2.37	0.34	−1.00	1.05	−1.21	1.82	−1.26	2.17	−2.03	5.57	+0.70	1.39	−2.11	3.61	−0.43	3.46	−1.13	11.98	+9.36	....	......	....	......	....	......
Edina	3.10	+1.44	0.66	−0.47	0.57	−1.42	2.22	−0.91	1.63	−2.22	3.96	−1.48	1.74	−0.73	0.58	−3.52	3.62	−1.00	9.78	+7.52	2.29	−0.78	2.16	+0.82	32.31	−2.75
Elsberry	3.00	+0.83	0.45	−1.21	1.11	−1.65	4.69	+1.64	2.48	−0.81	3.81	+0.37	4.42	+2.43	3.36	+0.10	5.48	+2.48	12.80	†10.29	2.88	+0.06	1.17	−1.04	45 65	+13.46
Farber	4.14	+2.28	0.10	−1.27	0.80	−1.61	5.56	+2.97	1.27	−2.85	1.95	−1.88	2.00	−0.93	‖2.74	−1.56	6.48	+4.02	13.45	†11.38	‖2.37	−0.65	0.71	−1.29	41.57	+8.61
Fayette	3.51	+1.72	0.27	−1.43	0.82	−2.00	2.98	−0.57	2.60	−1.72	3.03	−1.54	2.62	−0.63	2.97	−0.59	5.47	+0.51	12.40	+9.51	1.67	−0.43	1.85	+0.19	40.19	+3.02
Fulton	3.60	+1.58	0.42	−1.25	0.81	−2.15	5.12	+1.11	1.86	−2.74	6.29	+1.89	...	......	2.53	−1.12	6.84	+2.35	....	......	....	......	....	......	....	......
Gallatin	3.85	+2.63	0.65	−0.94	0.70	−1.62	2.48	−1.08	2.95	−1.77	4.08	−0.98	1.85	−2.27	1.77	−2.03	3.86	−1.34	6.04	+2.86	2.33	+0.25	2.07	+0.79	32.63	−5.50
Gorin	3.50	+2.12	0.47	−0.93	0.61	−1.61	2.73	−0.68	2.40	−2.17	4.10	−0.57	2.64	−0.97	1.54	−1.92	4.83	+0.16	10.62	+7.64	1.90	−0.13	2.45	+1.05	37.79	+1.99
Grant City	3.17	+2.20	0.28	−0.83	0.82	−1.19	2.50	−0.46	2.92	−1.31	7.80	+2.80	1.10	−3.53	1.32	−2.62	8.47	+3.78	9.17	+6.13	0.63	−1.22	1.76	+0.70	39.94	+4.45
Hannibal	4.15	+2.43	0.56	−1.30	0.96	−1.64	3.90	+0.71	1.52	−2.83	2.72	−1.18	4.15	+1.06	4.74	+1.40	10.36	+6.39	9.57	+7.18	2.19	+0.13	1.63	+0.09	46.45	+12.44
Hermann	3.75	+1.82	0.33	−1.32	0.78	−2.05	7.75	+3.72	1.85	−2.32	5.54	+1.17	2.43	−0.91	4.32	+0.65	7.19	+2.81	13.09	+9.46	2.70	+0.23	1.33	−0.48	51.06	+12.78
Kahoka	3.02	+1.14	0.29	−0.78	0.18	−1.93	2.86	−0.40	3.01	−1.25	7.25	+2.34	2.46	+0.58	0.87	−2.41	5.48	+0.94	9.25	+6.80	2.34	−1.01	1.40	−0.29	38 41	+3.73
Kansas City Airport	4.91	+3.72	0.58	−1.17	0.87	−1.66	4.03	+0.89	3.18	−1.47	6.79	+1.80	2.34	−1.79	4.66	+0.57	4.62	+0.06	11.94	+9.02	0.94	−0.89	1.76	+0.43	46.62	+9.51
Kansas City University	4.36	......	0.56	......	0.97	......	4.58	......	3.56	......	4.88	......	2.93	......	3.95	......	6.28	......	11.23	......	1.10	......	1.64	......	46.04	......
Kidder	4.03	+2.81	0.43	−1.11	0.73	−1.46	3.56	+0.28	3.18	−1.47	6.78	+1.81	2.42	−1.46	3.06	−0.90	3.40	−1.80	7.31	+4.21	2.27	+0.12	2.26	+0.99	39.43	+2.05
King City	4.03	+2.89	0.59	−0.91	0.85	−1.21	3.46	+0.16	3.82	−0.39	5.25	−0.06	2.13	−1.41	2.59	−1.09	5.49	+0.07	7.56	+4.66	1.67	−0.29	2.16	+1.08	39.60	+3.50
Kirksville	3.55	+2.03	0.66	−0.87	1.09	−1.85	2.38	−1.72	2.96	−2.37	4.72	−0.34	2.95	−1.35	1.04	−3.08	5.07	−0.11	11.11	+7.95	1.94	−0.18	2.64	+0.88	40.11	−1.01
La Belle	4.18	+2.51	0.84	−0.43	0.76	−1.56	2.70	−0.21	1.79	−2.65	3.52	−1.72	1.26	−0.87	1.85	−2.77	4.69	+0.62	10.53	+8.25	3.12	+0.02	2.69	+1.15	37.93	+2.34
Lawson	5.74	......	1.03	......	1.14	......	2.64	......	1.42	......	7.19	......	2.03	......	4.16	......	5.09	......	11.79	...	1.21	......	2.45	......	45.89	......
Linneus	3.19	+1.22	0.48	−0.69	1.24	−0.70	3.56	+0.46	2.31	−1.79	4.18	−0.54	2.92	+0.06	0.99	−2.97	7.24	+3.51	9.04	+6.39	2.15	−0.42	2.16	+0.78	39.46	+5.31
Louisiana	3.75	+1.60	0.30	−1.78	1.40	−2.07	4.82	+1.10	2.55	−2.15	6.11	+1.88	5.00	+1.40	1.69	−2.85	7.20	+2.77	16.50	†13.22	2.23	−0.23	1.08	−0.82	52.63	+12.07
Lucerne	2.37	+1.35	0.35	−0.85	0.62	−1 43	1.06	−2.50	4.71	−0.02	7.90	+2.26	2.60	−0.46	1.26	−3.18	6.55	+0.89	7.90	+4.37	2.23	−0.05	2.04	+0.43	39.59	+0.81
Macon	3.54	+1.84	0.53	−1.17	0.74	−2.10	2.06	−1.60	1.44	−3.15	4.80	+0.08	1.98	−1.43	2.84	−0.97	5.77	+1.33	9.98	+7.09	2.16	−0.03	2.30	+0.66	38.14	+0.55
Madison	3.69	....	0.37	......	0.71	.....	2.42	......	1.89	......	3.18	......	2.56	......	2.24	......	7.75	......	10.04	......	1.59	......	2.22	......	38.66	......
Maryville	1.98	+0.98	0.75	−0.68	0.78	−1.09	2.95	−0.06	5.36	+0.71	5.43	+0.32	1.69	−3.54	1.32	−2.66	7.82	+3.14	8.65	+5.68	1.22	−0.70	1.88	+0.80	39.83	+2.90
Memphis	2.82	+1.29	0.25	−0.72	0.47	−1.89	2.19	−1.01	4.66	+0.65	4.63	−0.50	3.03	+0.23	0.51	−3.46	5.61	+1.43	8.62	+6.69	2.10	−0.89	2.05	+0.77	36.94	+2.59
Mexico	4.48	+2.45	0.40	−1.45	0.93	−1.98	5.66	+1.91	1.23	−3.37	5.29	+0.55	5.42	+2.21	2.59	−1.26	6.49	+1.52	15.43	†12.36	3.53	+1.30	1.54	−0.37	52.99	+13.87
Milan	3.39	+2.22	0.72	−0.66	0.84	−1.41	2.34	−1.63	3.74	−1.08	5.70	+0.60	4.35	+1.27	0.52	−3.72	5.83	+0.29	8.51	+4.54	2.66	+0.48	1.92	+0.11	40.52	+1.01
Moberly	4.49	.....	0.77	......	0.33	.	2.50	......	2.82	......	3.66	......	3.32	......	3.32	......	6.86	......	12.70	......	1.23	......	2.26	......	44.26	......
Monroe City	3.80	+1.89	0.28	−1.13	0.82	−2.07	3.32	−0.35	1.45	−2.95	3.34	−1.74	2.12	−1 54	2.19	−2.13	7.10	+2.28	12.82	†10.22	1.90	−0.42	1.88	−0.05	41.02	+2.01
Oregon	2.54	+1.61	0.52	−0.85	0.98	−0.98	4.04	+0.75	2.42	−2.12	6.33	+0.96	0.76	−3.42	2.57	−1.23	5.46	+0 36	8.50	+5.75	1.34	−0.64	1.72	+0.68	37.18	+0.87
Palmyra	3.20	+1.20	0.57	−1.17	1.82	−0.86	3.46	−0.27	1.83	−2.48	4.20	−0.55	0.80	−2.45	1.67	−2.17	5.99	+1.22	9.41	+7.05	2.05	−0.19	2.03	+0.39	37.03	−0.28
Paris	3.61	+1.82	0.37	−1.06	0.91	−1.36	2.79	+0.32	1.40	−3.10	2.89	−1.25	2.29	−0.35	2.71	−0.87	6.80	+3.53	11.38	+9.51	2.19	−0.80	1.87	−0.01	39.21	+6.38
Perry	3.84	+1.92	0.40	−0.89	0.90	−1.28	4.15	+1.84	2.25	−1.97	3.00	−0.76	1.80	−0.72	2.70	−1.11	6.10	+3.13	8.71	+6.87	1.90	−0.77	1.13	−0.58	36.88	+5.68
Philadelphia	3.87	+2.06	0.20	−1.43	0.58	−1.58	3.91	+1.66	1.24	−3.62	4.29	−0.47	0.46	−2.83	1.60	−2.81	4.49	+1.23	11.51	+9.49	2.80	+0.01	1.17	−0.42	36.12	+1.29
Platte City	‖40.6	......	0.18	......	0.91	......	2.66	......	2.13	......	7.45	......	1.68	......	6.43	......	3.62	......	9.16	......	1.22	......	1.50	......	41.00	......
St. Charles	2.94	+0.79	0.45	−1.54	0.84	−2.33	5.76	+2.01	2.25	−2.03	1.62	−2.38	0.60	−2.39	2.19	−2.05	4 17	+0.33	7.07	+3.89	3.64	+1.53	1.20	−0.59	32.73	−4.76
St. Joseph	3.36	+2.08	0.20	−1.47	0.96	−1.52	5.04	+1.85	3.57	−1.13	6.23	+1.28	1.32	−2.46	2.13	−1.70	5.40	+1.48	6.59	+3.70	0.96	−0.62	2.04	+0.75	37.80	+2.24
Saverton, Lock No. 22	4.42	......	0.73	......	1.33	......	5.30	......	5.07	......	6.03	......	2.40	......	2.91	......	10.89	......	9.35	......	2.39	......	1.18	......	52.00	......
Shelbina	4.12	+2.59	0.28	−1.56	0.90	−1.89	2.51	−1.24	‖1.78	−2.54	2.91	−1.57	3.60	−0.27	3.23	−0.49	6.42	+1.48	11.81	+9.20	1.77	−0.33	2.26	+0.72	41.59	+4.10
Shelbyville	4.43	+2.86	0.45	−0.94	0.98	−1.27	2.74	+0.02	1.28	−3.34	3.02	−1.56	2.02	−0.70	3.01	−1.22	6.74	+3.59	11.88	+9.76	1.80	−1.18	2.66	+0.86	41.01	+6.88
Steffenville	3.93	+1.92	0.74	−1.03	0.87	−2.14	2.58	−1.00	1.60	−2.97	1.12	−0.42	1.07	−3.04	1.87	−2.17	6.08	+1.58	10.97	+8.24	2.56	+0.37	2.16	+0.47	38.55	−0.19
Tarkio	1.43	+0.69	1.66	+0.38	1.00	−0.67	2.69	−0.55	6.18	+1.64	7.36	+2.40	2.03	−2.12	1.79	−2.11	9.84	+5.60	12.10	+9.29	1.41	−0.33	2.64	+1.68	50.13	+15.90
Trenton	3.44	+2.10	0.59	−0.99	1.08	−1.37	2.08	−1.50	‖3.78	−0.92	3.24	−1.80	2.68	−1.39	1.80	−2.08	5.01	+0.26	9.91	+6.78	1.47	−0.65	2.11	+0.70	37.19	−0.86
Troy	3.58	+1.58	0.44	−1.09	1.29	−1.43	5.96	+2.95	2.31	−1.58	2.60	−1.06	4.31	+1.96	3.29	−0.55	7.37	+4.15	12.94	†10.23	2.03	−0.96	1.51	−0.49	47.63	+13.71
Unionville	3.45	+1.73	0.44	−1.33	0 94	−1.56	1.32	−2.38	3.99	−1.26	6.08	+0.89	3.26	−0.86	0.82	−3.46	5.84	+0.75	7.75	+4.62	2.58	+0.38	2.66	+0.95	39.13	−1.53
Warrenton	3.78	+1.59	0.70	−1.19	1.03	−2.15	6.98	+2.94	2.69	−1.71	3.33	−0.45	2.76	−0.38	2.87	−0.80	6.52	+2.16	11.63	+8.19	2.21	−0.41	1.48	−0.60	45.98	+7.19
Keokuk, Iowa	3.23	+1.67	0.46	−1.09	0 40	−1.98	2.83	−0.16	2.28	−1.65	3.51	−0.62	1.85	−1.56	1.78	−1.42	4.73	+0.89	11.29	+9.03	1.32	−0.62	2.12	+0.67	35.80	+3.16
Division means	**3.59**	**+1.94**	**0.50**	**−1.08**	**0.86**	**−1 63**	**3.47**	**+0.08**	**2.71**	**−1.88**	**4.79**	**+0.11**	**2.50**	**−1.18**	**2.37**	**−1.37**	**5.98**	**+1.79**	**10.41**	**+7.71**	**2.00**	**−0.20**	**1.92**	**+0.40**	**41.10**	**+4.69**
Southwestern Division																										
Altona	4.06	......	¶0.10	......	0.42	... ..	3.93	......	2.47	......	3.42	......	4 05	......	3 05	......	8.94	......	8.76	......	2.29	......	1.91	......	43.40	......
Anderson (near)	4.22	+1.69	1.94	+0.16	2.03	−1.67	11.01	+6.32	0.82	−4.93	6.86	+0.93	1.19	−3.22	4.19	+0.07	5.66	+1.78	11.14	+7.25	1.79	−1.56	‖1.02	−1.33	51.87	+5.49
Appleton City	4.71	+2.87	0.12	−1.55	0.46	−2.69	5.10	+0.97	1.76	−3.04	6.33	+1.31	2.53	−1.78	4.46	+0.50	11.12	+6.74	9.94	+6.98	2.01	−0.29	1.25	−0.34	49.79	+9.68
Bloodland	....	......	0.25	......	0.34	......	7.53	......	2.72	......	4.56	......	....	......	....	......	....	......	..	......	...	......	...	......	....	......
Bolivar	3.17	+1.24	0 64	−1.46	0.85	−2.58	7.82	+3.65	1.02	−4.33	5.25	−0.06	0.62	−3.10	2.47	−1.39	7.60	+3.39	11.90	+8.65	2.56	−0.02	1.47	−0.87	45.37	+3.12
Boonville	3.23	+1.51	0.14	−1.64	0.44	−2.60	2.69	−1.18	2.53	−2.08	3.63	−1.42	2.87	−0.37	4.38	−0.17	7.09	+1.90	10.14	+6.92	3.00	+0.79	1.83	+0.13	41.97	+1.79
Buffalo	3.58	+1.47	0.38	−1.38	0.47	−2.44	8.14	+4.47	1.56	−3.64	6.29	+1.27	2.54	−0.42	2.28	−1.84	7.08	+3.73	14.26	†11.44	2.34	−1.06	1.79	−0.28	50.71	+11.32
Butler	4.56	......	0.28	......	0.47	......	4.09	......	1.28	......	5.43	......	4.12	......	4.31	......	9.18	......	8.48	......	2.56	......	1.26	......	46.02	......
Caplinger Mills	1.97	+0.05	0.28	−1.03	0.59	−2.14	7.55	+3.96	2.39	−2.48	4.12	−2.04	0.89	−2.87	5.33	+0.78	9.71	+5.99	12.84	+8.96	1.82	−0.94	1.87	+0.17	49.36	+8.41
Carthage	3.35	......	0.82	......	1.00	......	7.74	......	0.87	......	5.96	......	1.37	......	2.33	......	9.93	......	14.52	......	2.33	......	2.64	......	52.86	......
Clinton	4.43	+2.40	0.26	−1.69	0.51	−2.82	4.52	+0.35	2.50	−2.33	4.23	−0.67	1.00	−2.43	4.85	+1.20	7.48	+2.96	9.23	+5.78	2.00	−0.16	1.64	−0.23	42.68	+2.36
Concordia	4.26	+2.72	0.25	−1.23	0.52	−2.03	2.83	−0.51	1.33	−3.42	4.86	−0.62	5.82	+1.83	2.79	−1.06	3.92	−0.58	10.69	+6.89	2.09	−0.13	2.08	+0.31	41.44	+2.17
Crocker	3.87	+1.19	¶0.35	−1.54	¶0.40	−1.83	‖6.36	+2.56	1.89	−1.91	6.33	+3.38	2.69	−1.39	1.93	−1.80	7.95	+3.88	9.57	+7.23	1.99	−0.14	3.12	+0.96	46.45	+10.59
Eldon	3.52	+1.76	0.28	−1.54	0.68	−2.36	‖6.78	+2.62	‖1.22	−3.08	6.26	+2.22	5.07	+1.85	3.43	−0.23	7.81	+3.19	12.88	+9.18	1.91	−0.54	1.67	−0.09	51.51	+12.98
Eldorado Springs	....	......	.. .	......	....	......	....	......	....	......	5.40	+0 44	2.83	−1.49	5.47	+2.36	9.86	+6.45	13 34	†10.78	1.80	−0.59	1.30	−0.89	....	......
Fort Leonard Wood	....	......	....	.. ...	....	......	....	......	....	......	.	......	....	.	1.36	......	11.33	......	10.58	......	2.25	......	2.49	......	....	......
Galena	3 13	+0.46	0.94	−1.00	1.11	−2.23	8.00	+3.88	0.95	−4.19	4.65	−0.11	1.35	−2.41	4.33	+0.23	6.09	+2.61	13.88	†10.40	2.45	−0.85	2.46	+0.29	49.34	+7.08
Hailey	4.23	+1.31	0.60	−1.20	1.23	−2.25	8.24	+3.85	0.97	−4.27	6.03	+0.43	2.79	−0.90	1.57	−3.37	6.25	+2.48	11.16	+6.86	2.36	−0.75	2.15	−0.17	47.58	+2.02
Harrisonville	4.51	+2.94	1.00	−0.73	0.72	−2.08	2.61	−0.77	3.18	−1.25	5.45	+0.66	2.48	−1.13	3.19	−0.99	8.22	+3.32	14.20	†11.23	1.50	−0.64	1.47	+0.02	48.53	+10.58
Higginsville	3.42	......	0.34	......	0.60	......	2.62	......	1.67	......	4.33	......	5.67	......	3.01	......	3.70	......	9.75	......	1.85	......	1.11	......	38.07	......
Jefferson City	3.96	+1.98	0.42	−1.34	0.68	−2.38	6.26	+2.28	2.12	−2.29	4.16	−0 07	4.51	+1.40	3.91	+0.08	6.87	+2.64	14.12	†10.75	2.78	+0.39	1.66	−0.28	51.45	+13.16
Joplin	2.56	+0.40	0.72	−0.96	0.75	−2.45	7.68	+2.98	2.87	−2.49	6.94	+0.94	0.96	−3.66	3.48	−0.49	9.68	+5.76	16.67	†13.22	1.70	−1.07	2.35	+0.46	56.36	+12.64
Lakeside	4.03	+1.85	0.50	−1.32	0.59	−2.16	6.11	+3.13	1.34	−2.93	7.63	+3 02	3.87	+1.72	3 32	+0.15	9.29	+4.89	11.53	+8.72	2.36	−1.35	1.80	−0.50	52.37	+15.22
Lamar	2.82	+0.99	0.80	−0.97	0.62	−2.57	9.40	+4.88	2.69	−2 57	6.13	+0.59	1.73	−2.49	4.45	+0.16	7.98	+3.43	15.52	†11.91	3.28	+0.75	1.65	−0.23	57.07	+13.88
Lebanon	3.20	+0.56	0.39	−1.80	0.37	−3.11	7.22	+2.87	2.80	−2.41	3.57	−1.60	1.41	−2.55	2 39	−2.10	7.84	+3 35	11.13	+7.36	2.11	−0.53	2.18	−0.10	44.61	−0.06
Lexington	5.37	+3.85	1.26	−0.58	1.19	−1.59	1.93	−1.87	2.36	−2.60	6.75	+2.20	2.59	−1.42	6 71	+3.19	5.23	+0.46	10.64	+7.61	3.01	+0.89	1.82	+0.23	48.86	+10.37
Lockwood	2.95	+1.09	0.89	−0.84	0.82	−2.74	7.94	+3.41	0.78	−4.54	5.56	−0.12	1.09	−3.67	5.29	+0.59	7.87	+3.09	12.24	+8.34	2.88	+0.04	1.70	−0.44	50.01	+4.21
Manes	3.31	......	0.69	......	0.33	......	8.17	......	2.82	......	4.78	......	2.69	......	2.44	......	6.42	......	10.34	......	2.43	......	2.51	......	46.93	......
Marshall	3.77	+2.12	0.15	−1.63	0.60	−2.32	3.23	−0.66	2.54	−2.07	3.58	−1.22	3.87	+0.30	2.58	−1.32	4.18	−1.32	10.96	+7.83	1.27	−1.05	1.96	+0.21	38.69	−1.13
Mountain Grove	2.84	+0.11	0.87	−1.36	0.67	−3.20	7.67	+3.15	4.07	−0.39	2.86	−2.08	6.17	+2.28	1.81	−2.53	6.46	+2.40	9.99	+6.53	2.28	−0.67	2.43	+0.02	48.12	+4.26
Mount Vernon	3.67	+0.96	1.03	−1.57	1.53	−2.36	9.35	+4.90	1.28	−4.23	3.95	−1.31	1.40	−3.79	3.54	−0.94	5.59	+1.75	15.23	†11.85	3.32	+0.38	1.78	−0.76	51.67	+4.88
Neosho	3.03	+0.56	1.20	−0.79	2.98	−0.57	8.52	+3.96	1.21	−4.35	6.63	+0.66	3.96	−0.69	5.86	+1.49	5.69	+1.40	15.15	†11.46	2.24	−1.06	1.55	−0.73	58.02	+11.34
Nevada	3.68	+1.85	0.44	−1.31	0.68	−2.19	9.20	+4.91	0.39	−4.54	5.89	+0.44	2.07	−1.59	3.61	−0.16	9.97	+5.66	12.69	+9.62	2.22	+0.07	1.29	−0.46	52.13	+12.30
Osceola	3.43	+1.30	0.26	−1.46	0.50	−2.69	6.94	+2.56	0.50	−4.97	6.45	+1.22	1.14	−2.72	4.27	+0.20	8.91	+4.10	10.40	+7.24	2.41	−0.37	1.79	−0.34	47.00	+4.07

Continued on next page

Monthly and Annual Precipitation for the Year 1941, with Departures from Normal—Concluded

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Ozark Beach	3.71	+0.74	1.53	−0.27	0.85	−2.24	‖6.61	+2.14	1.77	−3.45	3.55	−2.53	4.86	+1.47	2.31	−2.02	7.37	+4.18	9.37	+5.50	2.87	+0.10	2.59	−0.16	47.19	+3.46
Pleasant Hill	5.49	......	1.40	......	1.09	......	2.44	......	1.11	......	5.07	......	2.95	......	3.20	......	4.67	......	14.45	......	2.40	......	1.82	......	46.09	......
Roby	....	......	....	......	....	......	....	......	....	......	....	......	....	......	2.08	......	8.05	......	7.22	......	2.43	......	2.58	......	.....	......
St. Thomas(near)	3.13	+0.65	0.30	−1.03	0.39	−2.12	6.47	+3.31	2.12	−2.26	5.58	+0.26	3.04	+0.70	6.73	+3.04	8.33	+3.47	14.43	†10.54	2.64	−0.56	1.86	−0.45	55.02	+15.55
Sedalia	3.72	+1.47	0.17	−1.97	0.32	−2.51	3.95	+0.22	2.10	−2.44	5.31	+0.03	2.43	−2.01	2.84	−2.34	7.06	+2.16	12.79	†10.11	1.96	+0.34	2.05	+0.77	44.70	+3.83
Seligman	4.55	+1.76	1.59	−0.25	0.90	−2.70	8.52	+4.46	1.76	−3.68	5.57	+0.62	2.31	−1.81	3.55	−0.45	5.92	+2.24	13.83	†10.37	3.25	+0.16	1.98	−0.22	53.73	+10.50
Seymour(near)	3.10	+0.51	0.83	−1.35	0.67	−2.99	8.44	+4.12	3.33	−1.50	4.02	−1.32	5.04	+1.10	1.66	−2.58	7.51	+3.49	9.59	+6.11	2.56	−0.33	2.71	+0.45	49.46	+5.71
Springfield	2.82	+0.48	0.96	−1.39	1.01	−2.38	7.57	+3.71	2.09	−3.10	4.07	−0.61	3.42	−0.79	3.79	−0.30	7.64	+4.12	8.86	+5.81	2.50	−0.29	2.58	+0.27	47.31	+5.53
Stover	‖3.78	+2.10	0.37	−1.06	0.23	−2.40	5.86	+2.04	1.85	−2.96	5.74	+0.39	3.08	−0.27	2.73	−1.19	6.35	+2.28	8.64	+4.62	2.32	−0.46	1.57	−0.57	42.52	+2.52
Sweet Springs	3.90	......	0.12	......	0.93	......	2.67	......	2.66	......	3.60	......	7.38	......	1.81	......	4.14	......	10.05	......	1.65	......	2.04	......	40.95	......
Warrensburg	4.46	+2.68	0.19	−1.69	0.53	−2.56	3.63	−0.03	2.60	−2.12	5.10	+0.04	2.55	−1.42	4.51	+0.54	5.88	+1.10	7.79	+4.77	1.19	−1.03	1.72	+0.18	40.15	+0.46
Warsaw	4.20	+2.06	0.30	−1.94	0.36	−3.19	5.94	+1.48	3.38	−1.62	4.75	−0.55	3.89	−0.12	4.32	−0.30	11.07	+6.04	11.93	+8.13	2.46	−0.18	1.83	−0.29	54.43	+9.52
Wasola	....	......	....	......	....	......	‖3.95	......	2.62	......	1.69	......	4.80	......	3.87	......	7.39	......	12.05	......	2.81	......	2.97	......	.....	......
Waverly	3.85	+2.31	0.39	−1.27	0.70	−2.06	2.45	−1.26	1.34	−3.27	6.95	+1.99	3.89	−0.49	3.90	+0.21	2.79	−2.55	8.98	+5.68	2.58	+0.30	2.01	+0.43	39.83	+0.02
Division means	**3.70**	**+1.51**	**0.62**	**−1.32**	**0.76**	**−2.34**	**6.20**	**+2.10**	**1.95**	**−3.12**	**5.12**	**+0.13**	**3.02**	**−0.65**	**3.53**	**−0.40**	**7.34**	**+3.12**	**11.57**	**+8.43**	**2.32**	**−0.31**	**1.94**	**−0.09**	**48.07**	**+7.06**
Southeastern Division																										
Advance	3.44	......	0.87	......	0.90	......	2.62	......	1.43	......	2.64	......	3.76	......	4.67	......	4.14	......	6.51	......	2.53	......	4.90	......	38.41	......
Alton(near)	3.63	......	0.73	......	1.03	......	3.06	......	2.83	......	‖1.48	......	8.16	......	3.75	......	7.89	......	11.91	......	2.21	......	3.07	......	49.75	......
Annapolis	2.83	......	0.64	......	0.69	......	3.44	......	1.22	......	3.94	......	1.69	......	4.26	......	3.72	......	12.88	......	2.33	......	2.30	......	39.94	......
Arcadia	2.80	−0.19	0.70	−1.78	0.65	−3.40	3.28	−1.54	2.13	−2.11	2.46	−1.68	2.01	−2.11	3.65	−0.72	5.86	+1.88	11.51	+8.06	3.95	+0.83	1.83	−1.02	40.83	−3.78
Belleview	0.93	......	0.76	......	0.63	......	5.54	......	1.44	......	2.32	......	2.12	......	0.96	......	6.80	......	10.96	......	2.74	......	2.35	......	37.55	......
Birch Tree(near)	2.57	−0.61	0.85	−1.65	0.97	−3.01	2.18	−2.58	2.43	−1.92	3.44	−0.97	2.43	−1.15	2.76	−2.00	5.33	+1.65	10.79	+7.51	3.43	+0.27	2.44	−0.31	39.62	−4.77
Bragg City	2.60	−2.40	0.43	−3.22	1.86	−3.42	3.49	−0.51	0.82	−2.26	2.83	−0.58	0.74	−3.24	3.35	−0.14	1.60	−2.25	5.78	+3.29	1.02	−2.75	2.97	−1.13	27.49	−18.61
Campbell	2.61	−2.69	0.94	−2.39	1.12	−4.80	2.28	−1.98	2.18	−2.83	3.31	−0.93	4.93	+1.45	3.92	−2.06	0.48	−3.39	7.85	+4.75	1.18	−2.52	5.05	+1.10	35.85	−16.29
Cape Girardeau	3.16	−0.82	0.58	−1.82	1.45	−2.39	3.05	−0.83	3.26	−0.81	0.67	−3.63	0.87	−2.55	4.63	+0.73	3.15	−0.86	7.44	+4.14	2.21	−1.37	4.22	+0.55	34.69	−9.66
Caruthersville	2.80	−2.39	0.66	−2.72	0.97	−3.49	3.34	−1.18	0.35	−4.09	1.39	−2.42	3.92	+0.63	5.53	+1.84	1.78	−1.43	6.08	+2.72	1.78	−2.07	2.16	−2.38	30.76	−16.98
Centerville	3.51	......	0.67	......	0.77	......	4.22	......	2.36	......	3.70	......	3.03	......	1.05	......	5.66	......	9.14	......	2.86	......	2.04	......	39.01	......
Crystal City	2.25	......	0.40	......	0.33	......	3.93	......	1.73	......	2.37	......	1.20	......	2.67	......	5.28	......	7.56	......	2.81	......	1.54	......	32.07	......
Cuba	2.87	......	0.36	......	0.52	......	7.38	......	2.21	......	2.46	......	1.64	......	4.38	......	6.64	......	7.71	......	2.22	......	¶2.38	......	40.77	......
Deering	....	......	....	......	....	......	....	......	....	......	....	......	....	......	....	......	0.33	......	5.72	......	1.27	......	2.98	......	.....	......
Dexter	2.86	−2.18	0.73	−2.35	0.60	−4.28	2.66	−1.93	¶2.26	−2.53	¶3.12	−1.29	¶2.09	−1.03	4.01	−0.11	2.29	−2.23	9.51	+5.25	1.56	−2.36	5.13	+1.14	36.82	−13.90
Doniphan	3.75	−0.35	0.73	−2.58	1.06	−3.33	2.59	−2.34	3.61	−0.75	2.85	−1.51	5.64	+1.60	3.61	−0.63	4.26	+0.65	9.77	+6.71	2.27	−1.15	3.94	+0.22	44.08	−3.46
Farmington	1.93	−1.21	0.62	−1.90	0.46	−3.46	3.20	−1.32	1.78	−3.29	2.67	−1.21	3.10	−0.46	2.37	−1.93	5.04	+1.24	12.17	+8.73	2.77	−0.05	1.51	−1.29	37.62	−6.15
Fisk	3.92	−1.09	0.47	−2.79	0.52	−4.30	3.62	−0.08	2.75	−0.75	3.96	+0.10	3.63	+0.25	6.70	+3.45	0.90	−3.34	6.32	+3.36	2.30	−0.36	3.64	+0.17	38.73	−5.38
Fredericktown	3.17	−0.54	0.93	−1.70	0.62	−3.03	2.37	−2.11	2.76	−1.33	1.33	−2.90	3.62	+0.40	2.29	−1.97	3.76	−0.20	9.81	+5.42	2.57	−0.75	2.32	−0.85	35.55	−9.56
Gerald	3.00	......	0.46	......	0.76	......	6.34	......	2.58	......	3.03	......	0.91	......	6.04	......	5.99	......	6.50	......	2.46	......	2.39	......	40.46	......
Goodland	2.37	−0.33	0.59	−1.69	0.64	−3.25	6.85	+1.96	2.83	−1.68	2.31	−1.75	2.11	−1.58	1.67	−2.57	6.25	+2.39	10.79	+7.20	2.53	−0.19	2.09	−0.36	41.03	−1.85
Greenville	2.53	−0.79	0.43	−2.29	0.51	−3.75	2.04	−2.66	2.75	−1.43	2.18	−2.51	1.73	−2.03	2.61	−1.67	4.28	+0.96	8.39	+5.11	2.53	−0.83	2.66	−0.70	32.64	−12.59
Jackson	4.17	+0.23	1.01	−1.87	1.29	−2.88	3.35	−0.99	1.60	−2.67	1.84	−2.85	2.59	−0.95	5.44	+1.36	3.65	−0.37	7.02	+3.50	2.53	−0.85	4.18	+0.75	38.67	−7.59
Jerome	2.92	+0.94	0.27	−2.05	0.30	−2.55	6.64	+2.81	1.68	−2.63	8.21	+4.46	3.90	+0.60	2.87	−1.41	8.38	+4.79	7.86	+5.84	2.81	+0.34	2.74	+0.91	48.58	+12.05
Koshkonong	3.26	−0.36	1.17	−1.69	0.95	−3.15	2.16	−2.86	1.81	−2.74	3.43	−1.07	4.62	+0.85	3.50	−0.66	4.48	+0.84	10.55	+7.33	2.89	−0.37	2.77	−0.71	41.59	−4.59
Leeper	4.01	+0.11	0.65	−2.00	0.60	−3.04	2.71	−2.21	1.95	−2.45	3.13	−2.31	2.75	−0.57	2.43	−1.68	3.50	+0.27	9.26	+5.35	2.90	−0.48	2.87	−0.91	36.76	−9.92
Licking(near)	2.31	......	0.44	......	0.57	......	6.72	......	3.95	......	2.53	......	5.52	......	1.43	......	8.80	......	8.43	......	2.13	......	2.47	......	45.30	......
Marble Hill	3.65	−0.22	0.83	−2.25	0.60	−3.68	3.13	−1.36	2.11	−2.38	1.59	−2.89	2.43	−1.59	4.26	+0.14	3.92	+0.04	7.28	+3.86	2.43	−1.12	2.90	−0.77	35.13	−12.22
Meramec Park	2.84	......	0.21	......	0.10	......	6.20	......	2.79	......	3.81	......	1.94	......	4.35	......	6.17	......	7.93	......	2.85	......	2.17	......	41.36	......
Morehouse	3.01	−1.90	0.69	−3.05	0.59	−4.32	1.90	−2.95	1.57	−2.71	2.63	−1.60	1.48	−1.53	5.26	+1.35	1.20	−2.72	10.05	+6.52	2.22	−1.41	5.46	+1.24	36.06	−13.08
New Madrid	2.41	−3.08	0.99	−2.76	0.44	−4.39	3.29	−1.29	2.74	−1.69	2.57	−1.93	7.04	+3.07	7.46	+3.36	0.61	−2.98	7.66	+3.89	2.16	−1.87	3.99	−0.62	41.36	−10.29
Owensville	2.13	+0.31	0.46	−1.20	1.06	−2.26	4.48	+1.17	1.39	−3.41	3.71	−0.94	0.60	−3.02	2.84	−1.00	6.93	+3.44	‖7.92	+4.49	1.98	−0.83	1.78	−0.55	35.28	−3.80
Pacific	2.74	+0.38	0.26	−1.88	0.72	−2.99	5.67	+1.50	1.74	−3.21	3.09	−1.44	0.83	−2.81	3.06	−0.63	3.52	−0.28	6.59	+3.56	4.03	+1.28	2.15	−0.05	34.40	−20.01
Parma	2.86	−2.40	0.76	−2.12	0.62	−4.74	1.90	−2.34	2.69	−1.47	2.83	−0.65	1.53	−2.36	7.36	+2.79	0.52	−4.53	8.44	+5.30	2.12	−2.35	4.83	+0.05	36.46	−14.82
Perryville	1.20	......	0.26	......	0.10	......	2.94	......	2.40	......	1.45	......	3.14	......	2.27	......	2.21	......	9.58	......	2.65	......	2.60	......	30.80	......
Poplar Bluff	3.68	−0.74	0.71	−2.18	0.71	−3.65	2.54	−1.97	3.27	−1.25	2.71	−1.41	6.35	+2.41	4.02	−0.55	1.01	−2.88	8.13	+4.47	2.58	−0.90	4.16	+0.17	39.87	−8.48
Richwoods	2.86	......	0.23	......	0.90	......	5.36	......	2.19	......	5.45	......	0.68	......	4.90	......	5.75	......	5.60	......	3.02	......	1.36	......	38.30	......
Rolla	2.65	+0.19	0.34	−1.71	0.63	−3.09	6.62	+2.40	2.29	−2.46	5.01	+0.60	3.76	+0.37	2.93	−1.51	7.16	+3.02	7.04	+3.58	3.05	+0.37	2.59	+0.41	44.07	+2.26
St. Louis:																										
City Office	2.38	+0.04	0.64	−1.92	0.60	−2.78	4.47	+0.66	1.91	−2.43	2.52	−1.30	1.68	−1.30	2.63	−0.36	3.58	+0.12	7.46	+4.74	3.05	+0.22	1.20	−1.01	32.12	−5.32
Airport	2.27	......	0.48	......	0.72	......	5.45	......	2.32	......	2.54	......	0.52	......	2.17	......	4.45	......	6.67	......	2.78	......	1.00	......	31.37	......
St. Louis University	2.08	−0.52	0.70	−1.61	0.45	−2.89	3.33	−0.53	2.10	−2.09	2.59	−1.00	1.06	−2.12	2.96	−0.98	3.09	−0.67	4.60	+1.44	2.01	−0.53	0.99	−1.45	25.96	−12.95
Washington University	2.95	......	0.65	......	0.65	......	5.13	......	1.89	......	2.59	......	1.22	......	1.80	......	4.90	......	6.87	......	4.57	......	1.22	......	34.44	......
Salem	2.48	−0.24	0.52	−1.76	0.69	−3.18	6.09	+1.59	3.43	−1.08	1.57	−3.08	2.04	−1.46	1.78	−2.79	9.42	+5.54	9.55	+5.93	2.41	−0.23	2.07	−0.47	42.05	−1.23
Sikeston	3.06	−1.80	0.72	−2.50	0.45	−4.01	1.54	−3.08	2.92	−1.32	1.81	−2.38	2.80	−0.92	5.86	+2.06	1.76	−2.12	7.59	+4.32	2.93	−0.63	4.94	+1.00	36.38	−11.38
Union	2.97	+0.65	0.49	−1.71	0.66	−2.64	5.51	+1.15	2.06	−2.48	3.95	−0.35	2.33	−1.61	4.74	+0.04	4.90	+0.71	7.58	+4.10	2.72	−0.03	1.34	−0.87	39.25	−3.04
Valley Park	2.48	+0.22	0.50	−1.39	0.52	−2.85	5.25	+1.13	1.42	−3.05	1.94	−1.94	0.50	−2.42	3.33	−0.72	3.21	−0.33	7.65	+4.26	3.46	+0.86	1.26	−0.91	31.52	−7.14
Van Buren	3.45	......	0.55	......	0.69	......	2.86	......	2.01	......	2.24	......	2.62	......	1.93	......	4.67	......	8.04	......	1.64	......	1.07	......	31.77	......
Wappapello Dam	4.10	......	0.73	......	0.73	......	2.79	......	2.03	......	3.07	......	1.72	......	3.42	......	1.86	......	8.90	......	2.61	......	3.81	......	35.77	......
Weingarten	3.40	......	0.50	......	0.80	......	1.76	......	1.25	......	2.85	......	3.26	......	2.46	......	3.80	......	10.42	......	3.22	......	1.02	......	34.74	......
West Plains	3.11	......	1.02	......	0.80	......	3.14	......	1.55	......	3.93	......	3.29	......	2.59	......	6.36	......	10.24	......	2.95	......	2.77	......	41.75	......
Williamsville	3.78	−0.68	0.73	−1.91	0.86	−3.04	2.45	−2.27	2.55	−1.92	2.50	−3.33	2.59	−1.44	2.48	−2.86	2.57	−0.80	8.87	+4.76	2.88	−0.71	2.72	−1.64	34.98	−15.84
Willow Springs(near)	2.79	−0.39	0.97	−1.59	0.83	−3.41	3.29	−1.55	4.67	+0.07	3.37	−1.46	4.58	+0.78	2.76	−1.32	6.26	+2.18	12.07	+8.75	2.50	−0.84	2.76	−0.04	46.85	+1.18
Zalma	4.04	......	0.86	......	0.79	......	3.68	......	1.31	......	1.11	......	3.57	......	4.66	......	3.50	......	7.87	......	2.87	......	3.90	......	38.16	......
Cairo, Ill	2.33	−1.43	0.71	−2.42	0.58	−3.17	2.06	−1.66	1.77	−1.94	1.18	−2.65	2.54	−0.53	4.06	+1.04	1.58	−1.31	7.66	+4.90	1.42	−2.26	3.90	+0.50	29.79	−10.93
Division means	**2.93**	**−0.45**	**0.63**	**−2.03**	**0.72**	**−3.27**	**3.81**	**−0.54**	**2.21**	**−2.17**	**2.78**	**−1.44**	**2.74**	**−0.76**	**3.56**	**−0.24**	**4.17**	**+0.55**	**8.45**	**+5.38**	**2.55**	**−0.66**	**2.76**	**−0.15**	**37.31**	**−5.78**
State means	**3.41**	**+1.00**	**0.58**	**−1.48**	**0.78**	**−2.41**	**4.49**	**+0.54**	**2.29**	**−2.39**	**4.23**	**−0.40**	**2.75**	**−0.87**	**3.15**	**−0.67**	**5.83**	**+1.82**	**10.14**	**+7.17**	**2.29**	**−0.39**	**2.21**	**+0.06**	**42.15**	**+1.99**

¶ Estimated ||||| Incomplete ‖ Partially estimated † Indicates plus.

(Continued from page 74)

amount was 25.96 inches at St. Louis University. The greatest local monthly amount was 16.67 inches at Joplin in October, and the least local monthly amount was 0.10 inch at Farber and Alton in February and at Meramec Park and Perryville in March. The greatest amount in any twenty-four hours was 6.96 inches at Anderson (near) on April 18-19th. The average number of days with 0.01 inch or more was 102, or 13 days more than normal.

The snowfall averaged 14.0 inches, or 3.9 inches less than normal. The greatest annual snowfall was 40.0 inches at Oregon, and the least annual amount was only a trace at Bragg City and Dexter. The greatest monthly snowfall was 15.5 inches at Gorin, Oregon and Unionville, in January.

ERRATA

January 1941, page 2: Average number of cloudy days for Southwestern Division should be 17.

March 1941, page 12: Mean temperature at St. Joseph should be 40.0; departure should be − 0.5. Page 15: Mean maximum temperature at St. Joseph should be 50.2.

May 1941, page 27: Mean minimum temperature at St. Joseph should be 58.8.

June 1941, page 30: Mean temperature at St. Joseph should be 73.4; departure should be − 0.3. Page 33: Mean minimum temperature at St. Joseph should be 64.3.

December 1941, page 66: Greatest precipitation in 24 hours at Advance should be 2.69. Page 67: Greatest precipitation in 24 hours at Rolla should be 1.27; date of minimum temperature at West Plains should be 29; prevailing wind direction at Cairo, Ill., should be SW. Page 70: Maximum temperature at West Plains on 5th should be 55.

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